# PM 6665 Timer/counter<br/>PM 6669 Frequency counter

Service Manual

9499 465 00711 87 06 01 First edition





Industrial & Electro-acoustic Systems

**PHILIPS** 

#### **Important**

As the instrument is an electrical apparatus, it may be operated only by trained personnel. Maintenance and repairs may also be carried out only by qualified personnel.

#### Please note

In correspondence concerning this instrument, please quote the type number and serial number as given on the type plate.



The counter is marked with this symbol when it is necessary for the user to refer to the manual.

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PM 9605 Battery unit No spare parts available ye
PM 9606 Rack-mount kit No spare parts
PM 9607
PM 9608 1 1 GHz HF-input

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1. Safety instructions

#### **GENERAL INFORMATION**

WARNING:

These servicing instructions are for use by qualified personnel only. To reduce the risk of electrical shock, do not perform any servicing other than that specified in the Operating Manual unless you are fully qualified to do so.

This counter has been designed and tested in accordance with IEC Publication 348, Safety Requirements For Electronic Measuring Apparatus For Class 1 instruments, and has been supplied in a safe condition. This manual contains information and warnings that should be followed by the user and service technician to ensure safe operation and repair in order to keep the counter in a safe condition.

WARNING: The opening of covers or removal of parts, except those to which access can be gained by hand, is likely to expose live parts and accessible terminals which can be dangerous to life.

The counter must be disconnected from all voltage sources before it is opened.

Remember that capacitors inside the counter retain their charge even if the counter has been disconnected from all voltage sources.

#### **GROUNDING**

The counter is connected to ground via a sealed three-core power cable, which must be plugged into a socket outlet with a protective ground contact. No other method of grounding is permitted for this counter. When the counter is brought from a cold to a warm environment, condensation may cause a hazardous condition. Therefore, ensure that the grounding requirements are strictly met.

Power extension cables must always have a protective ground conductor.

WARNING: Any interruption of the protective ground conductor inside or outside the counter, or disconnection of the protective ground terminal, is likely to make the counter dangerous. DO NOT intentionally disrupt the protective grounding.

#### LINE VOLTAGE SETTING

Before connecting the counter to the line, ensure that it is set to the local line voltage. On delivery the counter is set to either 115  $\,\mathrm{V}$ or 220 V, as indicated on the line voltage selector on the rear panel. If the voltage setting is incorrect, set the line voltage selector in accordance with the local voltage before commecting the counter to the line.

#### **SPARE PARTS**

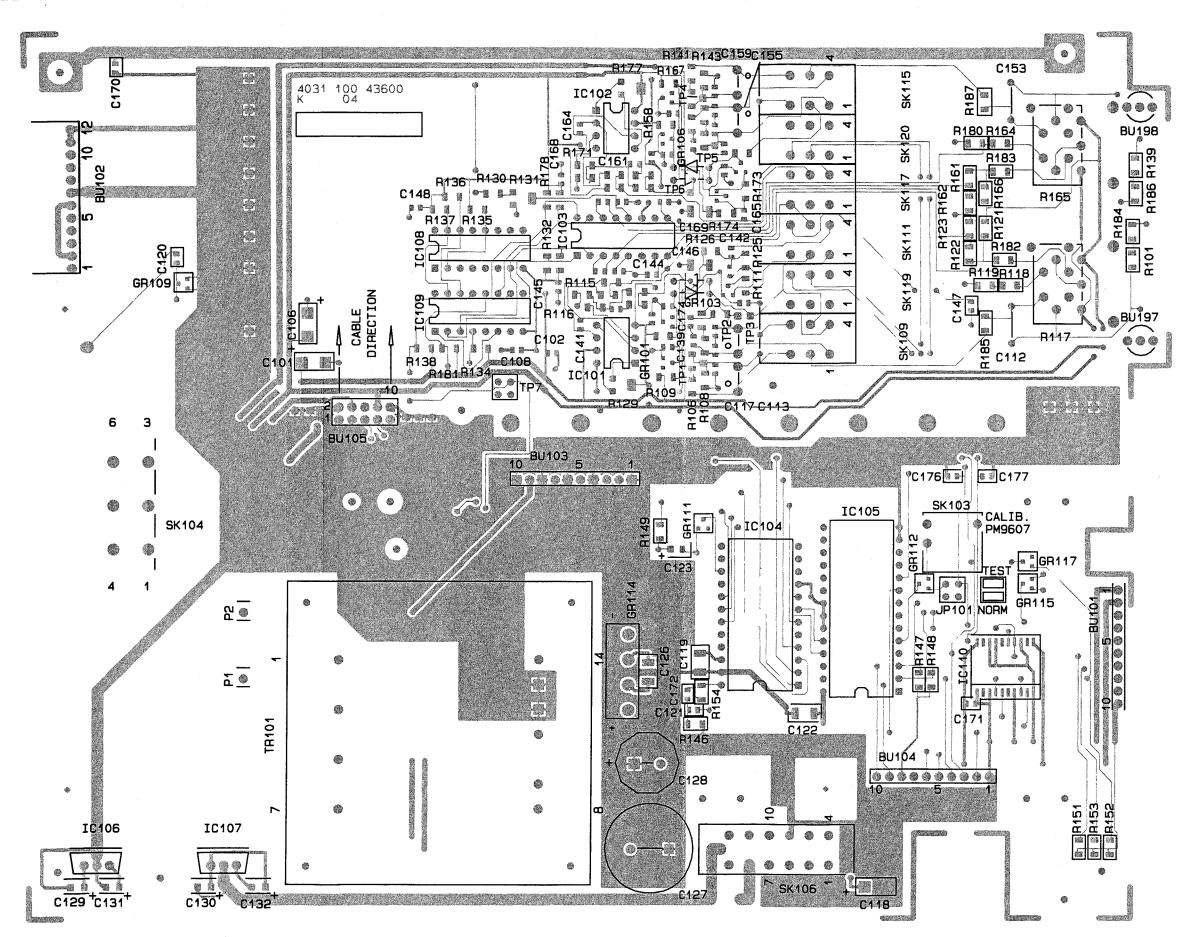
Components that are important for the safety ofthe instrument may only be renewed by components obtained from your local Philips organisation.

#### **FUSES**

The counter is protected by one fuse inside the transformer. This fuse will blow if the transformer is dangerously overheated. The fuse cannot be replaced separately.

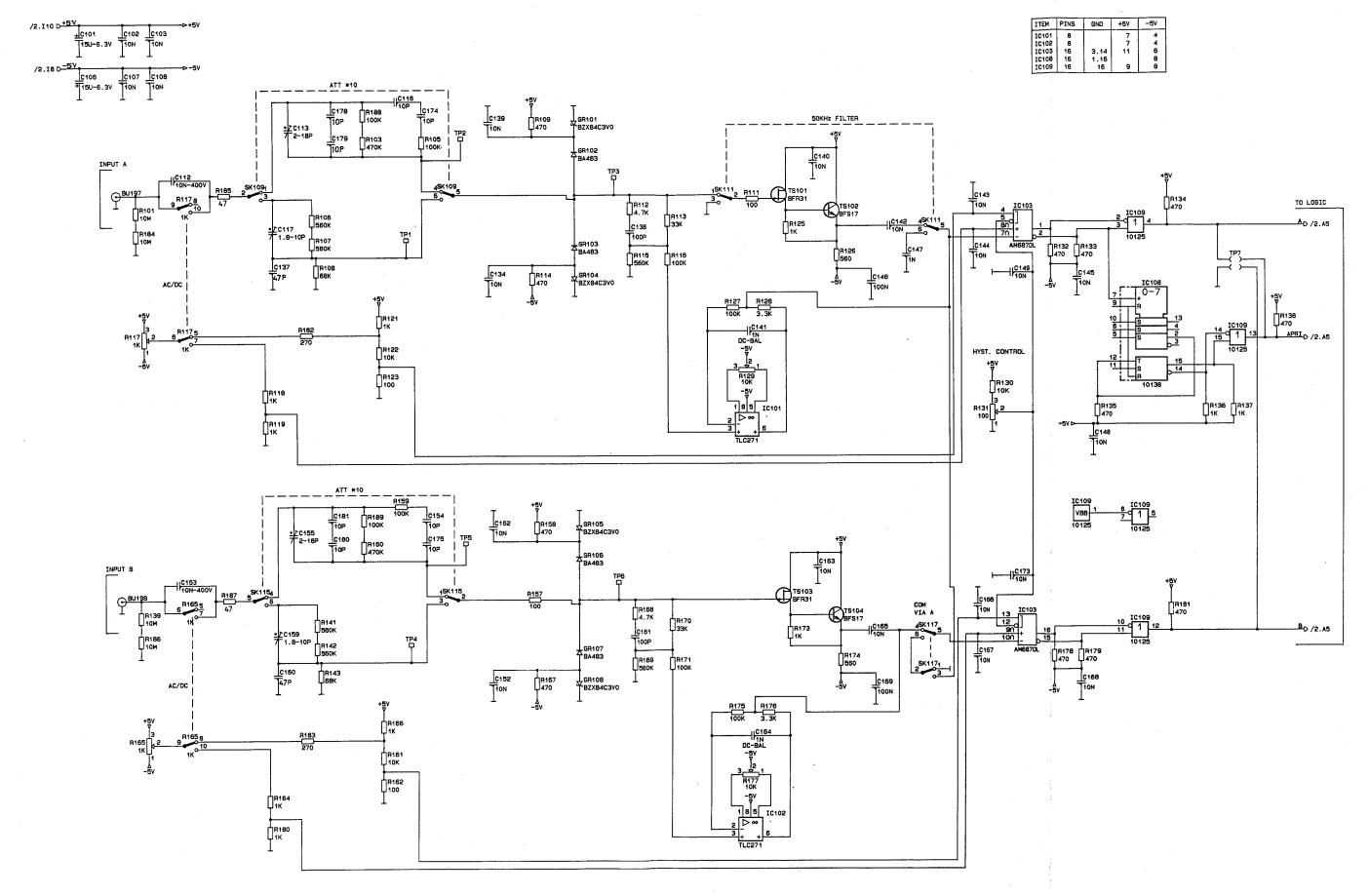
Always replace the complete transformer to ensure that the counter remains safe!

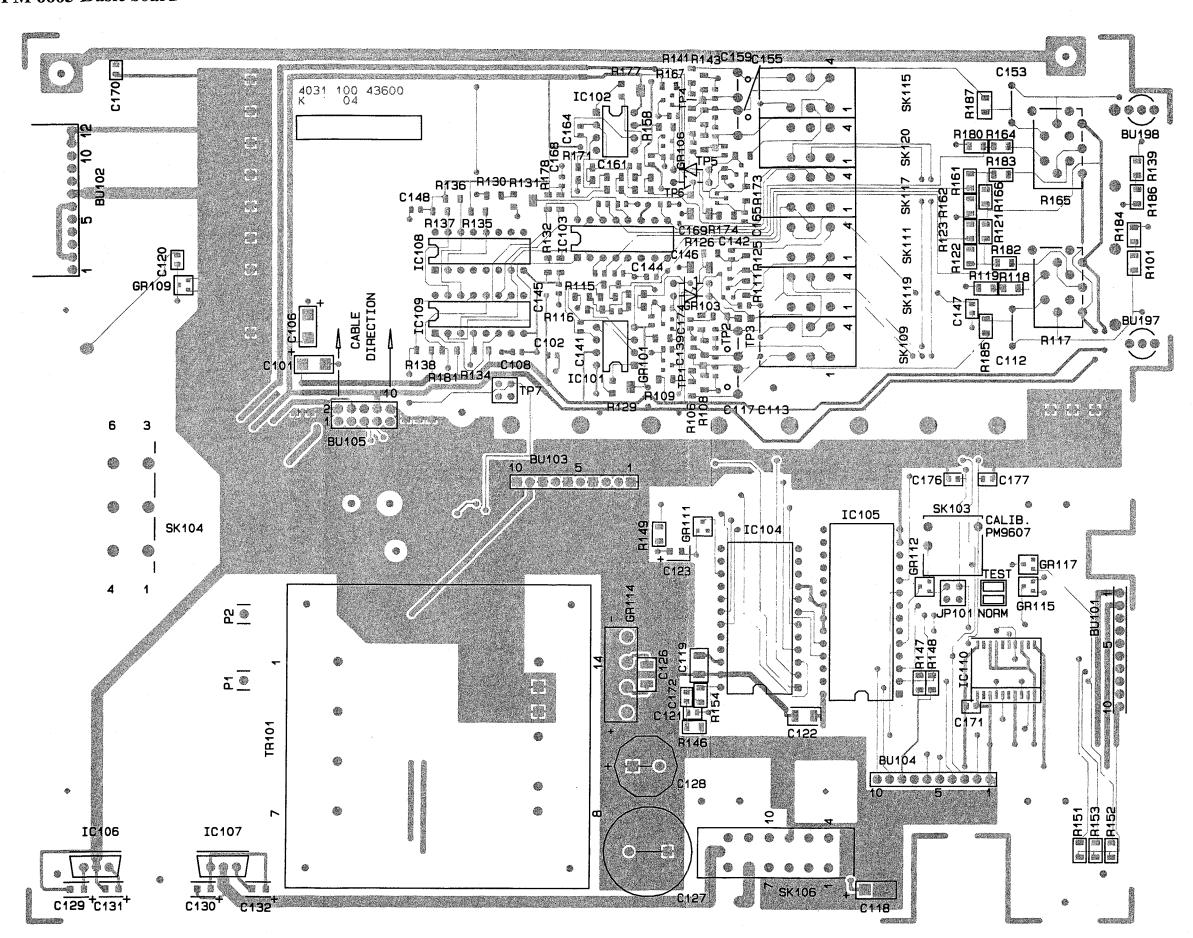
2. Drawings and diagrams



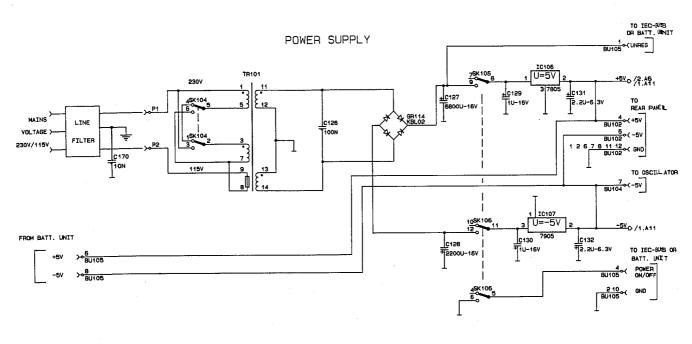
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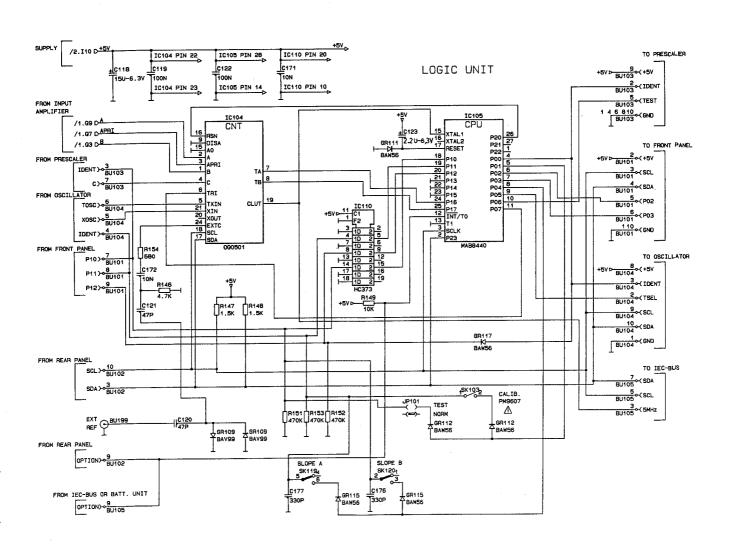
## PM 6665 Basic board, input amplifier



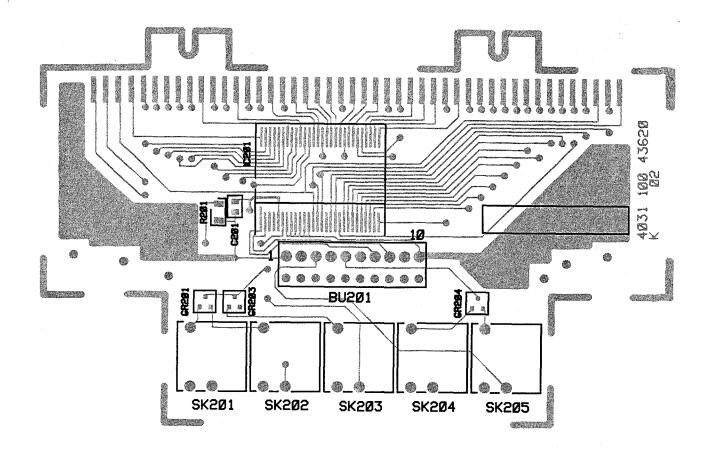


## PM 6665 Basic board, power supply and logic unit

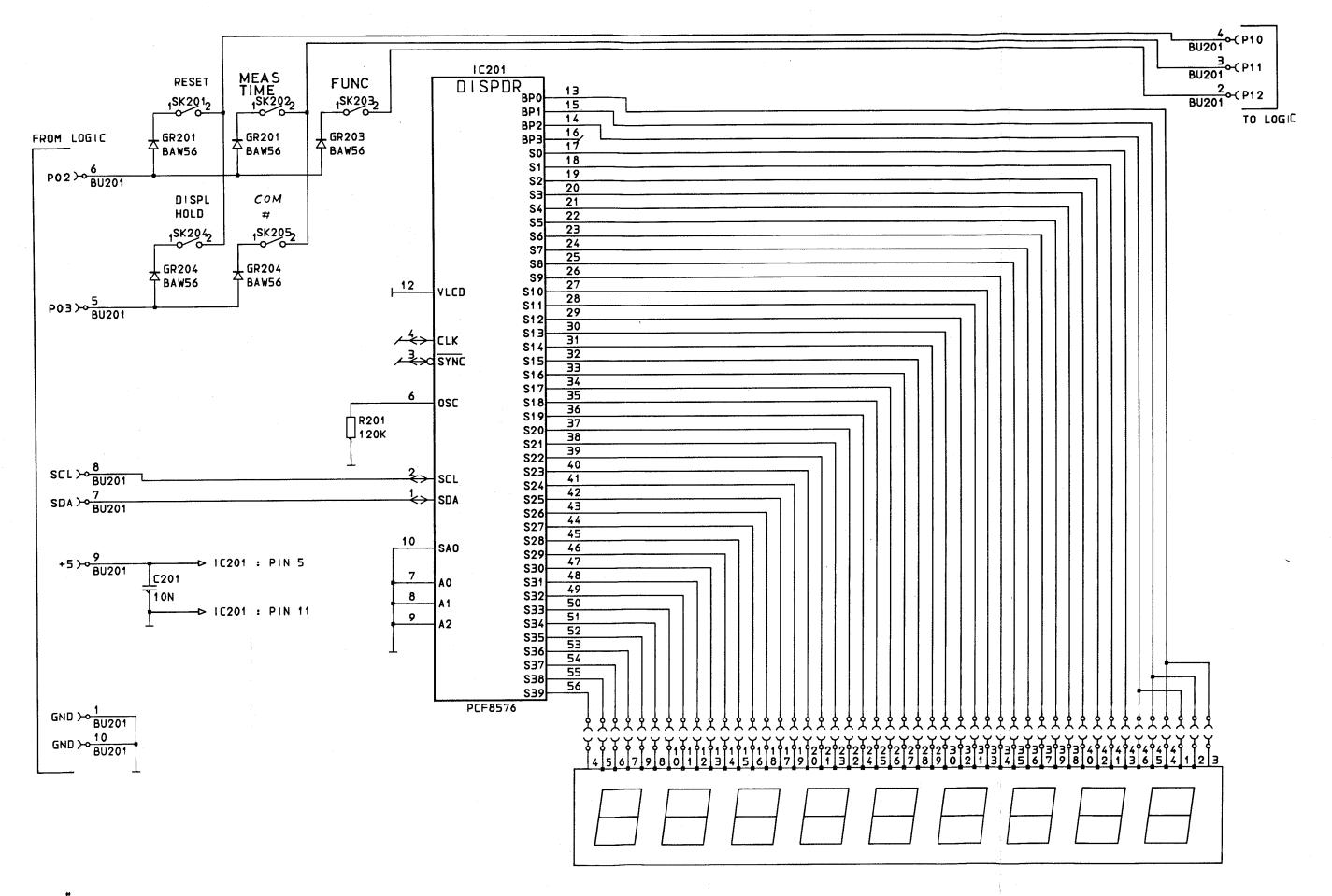




## PM 6665 Front panel

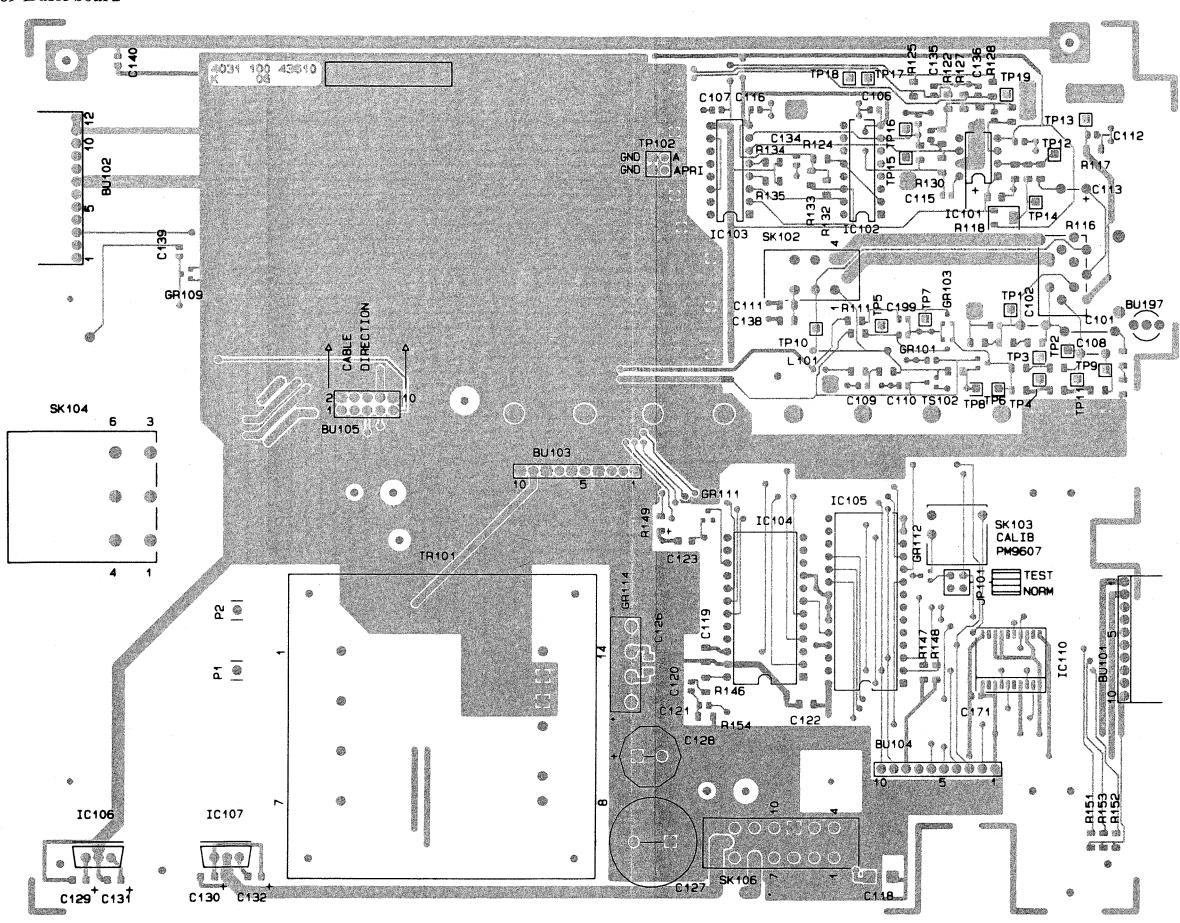


#### PM 6665 Front panel

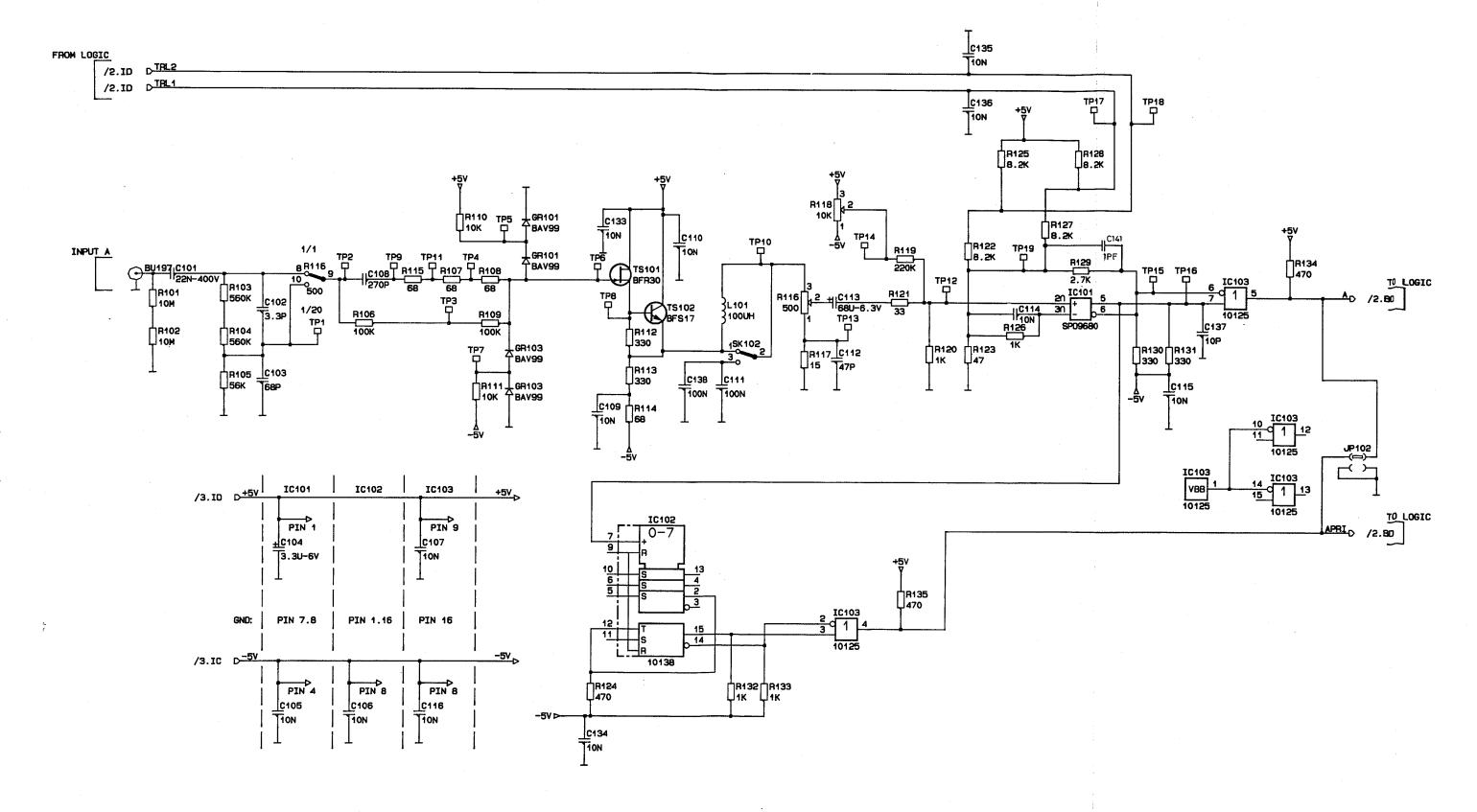


<sup>#</sup> NO FUNCTION IN PM6665

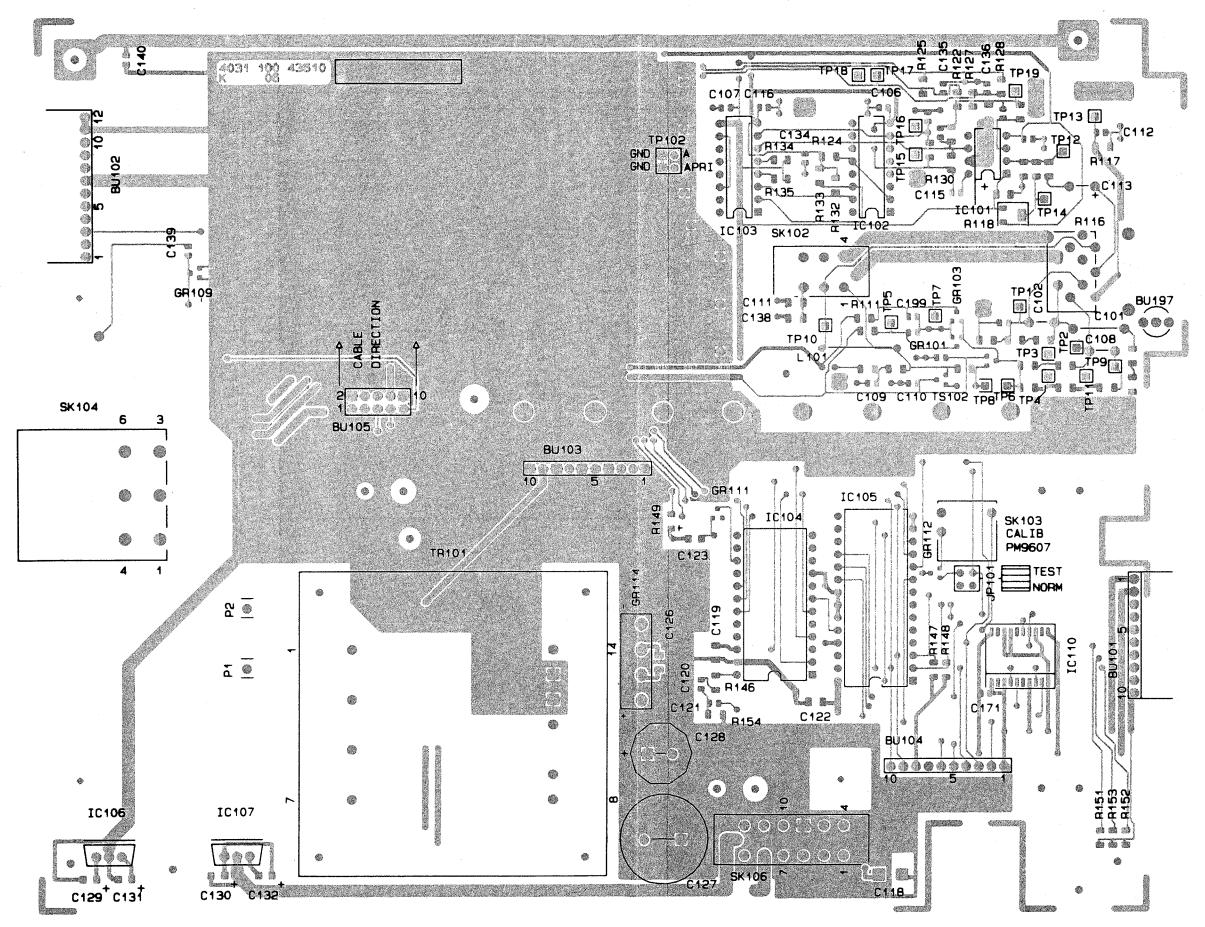
PM 6669 Basic board

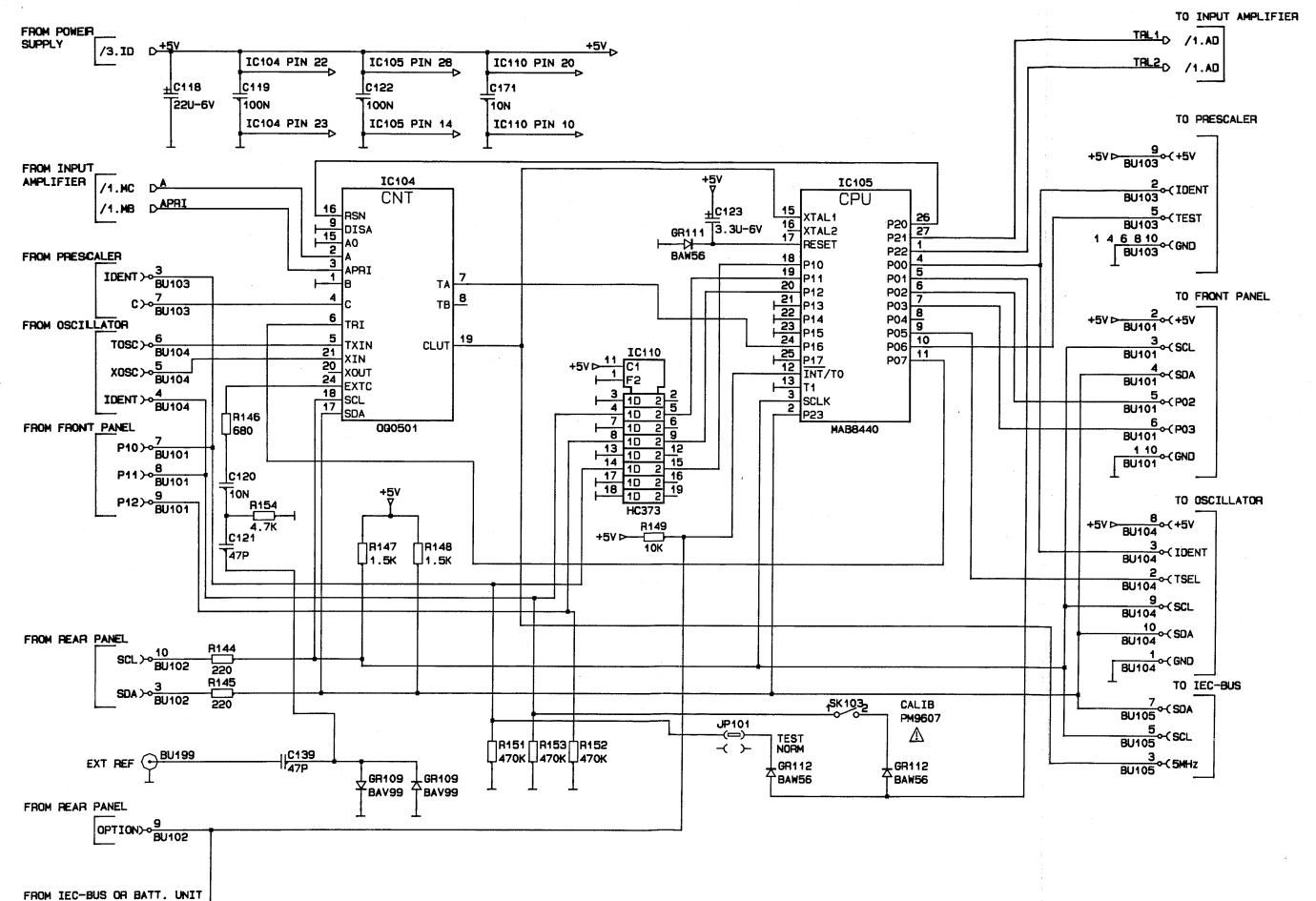


#### PM 6669 Basic board, input amplifier



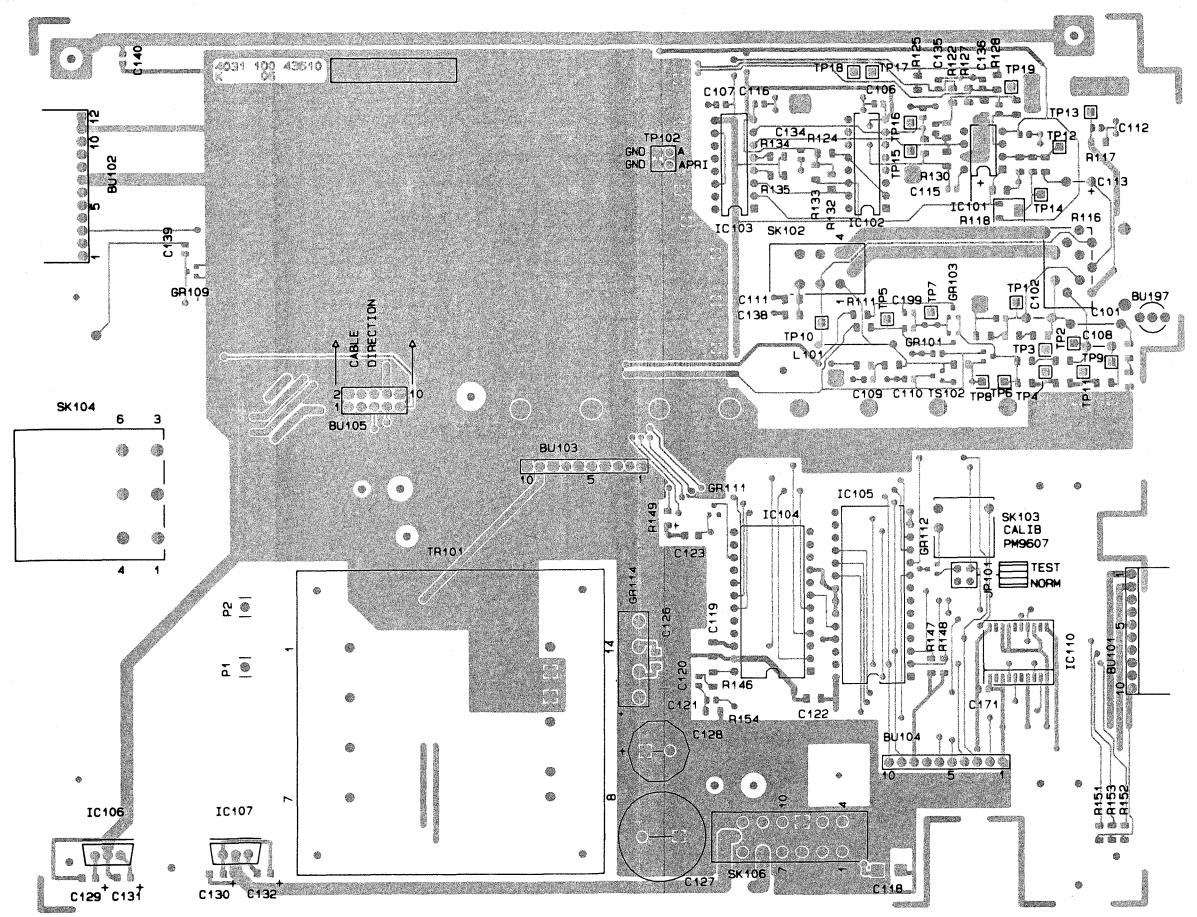
PM 6669 Basic board



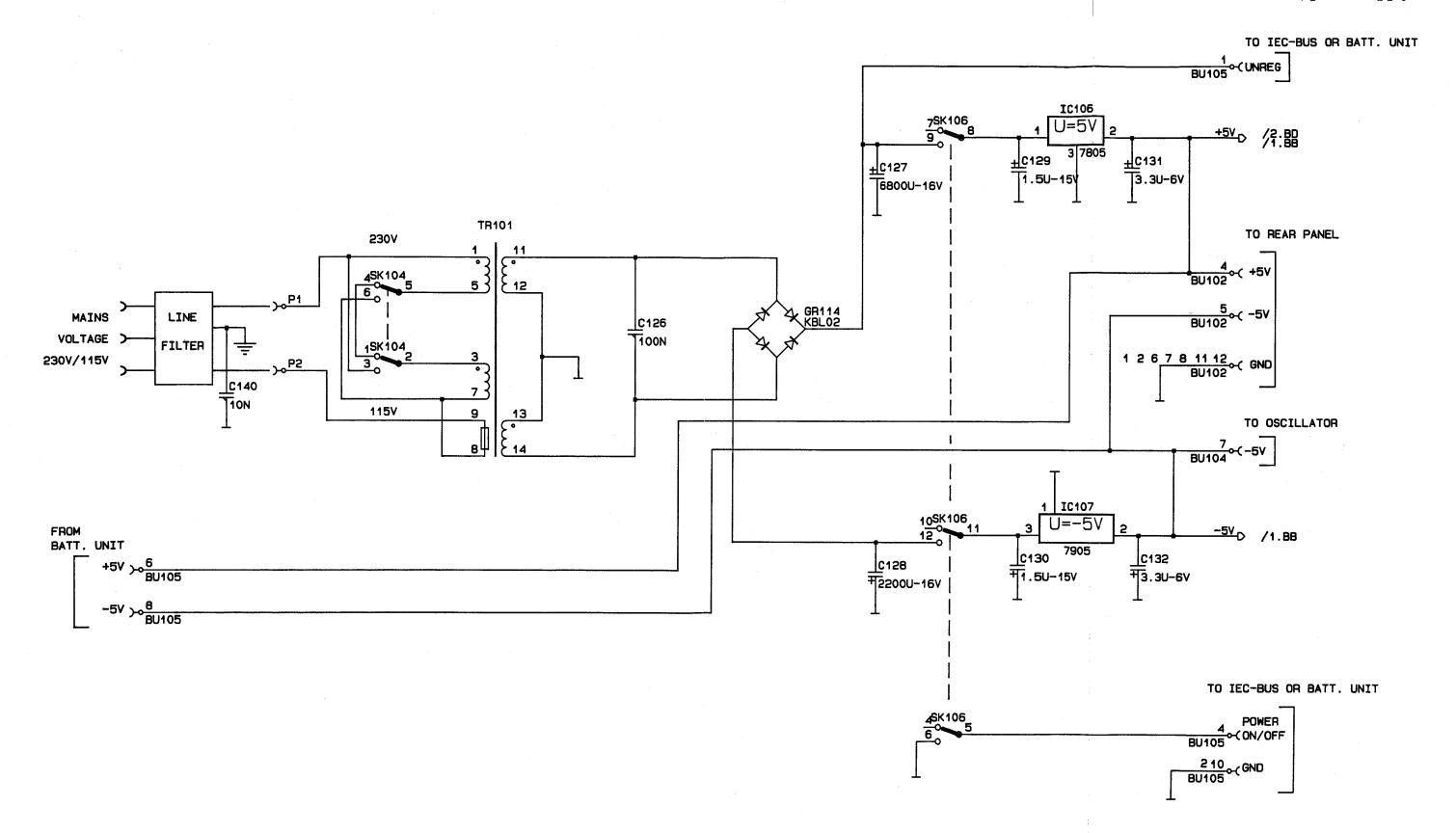


OPTION)-09 BU105

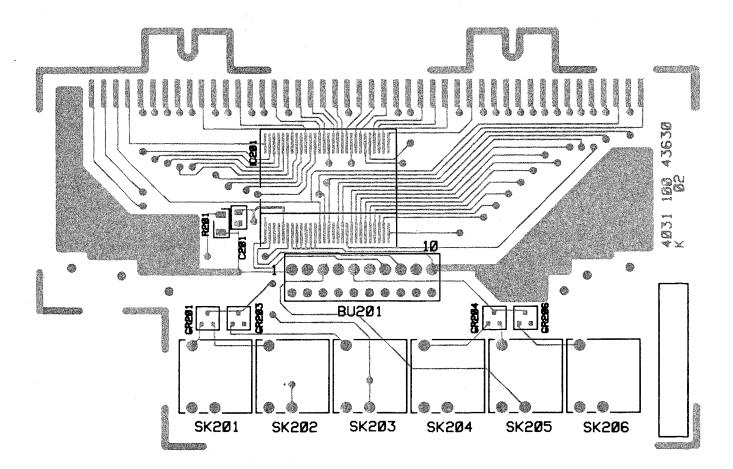
#### PM 6669 Basic board



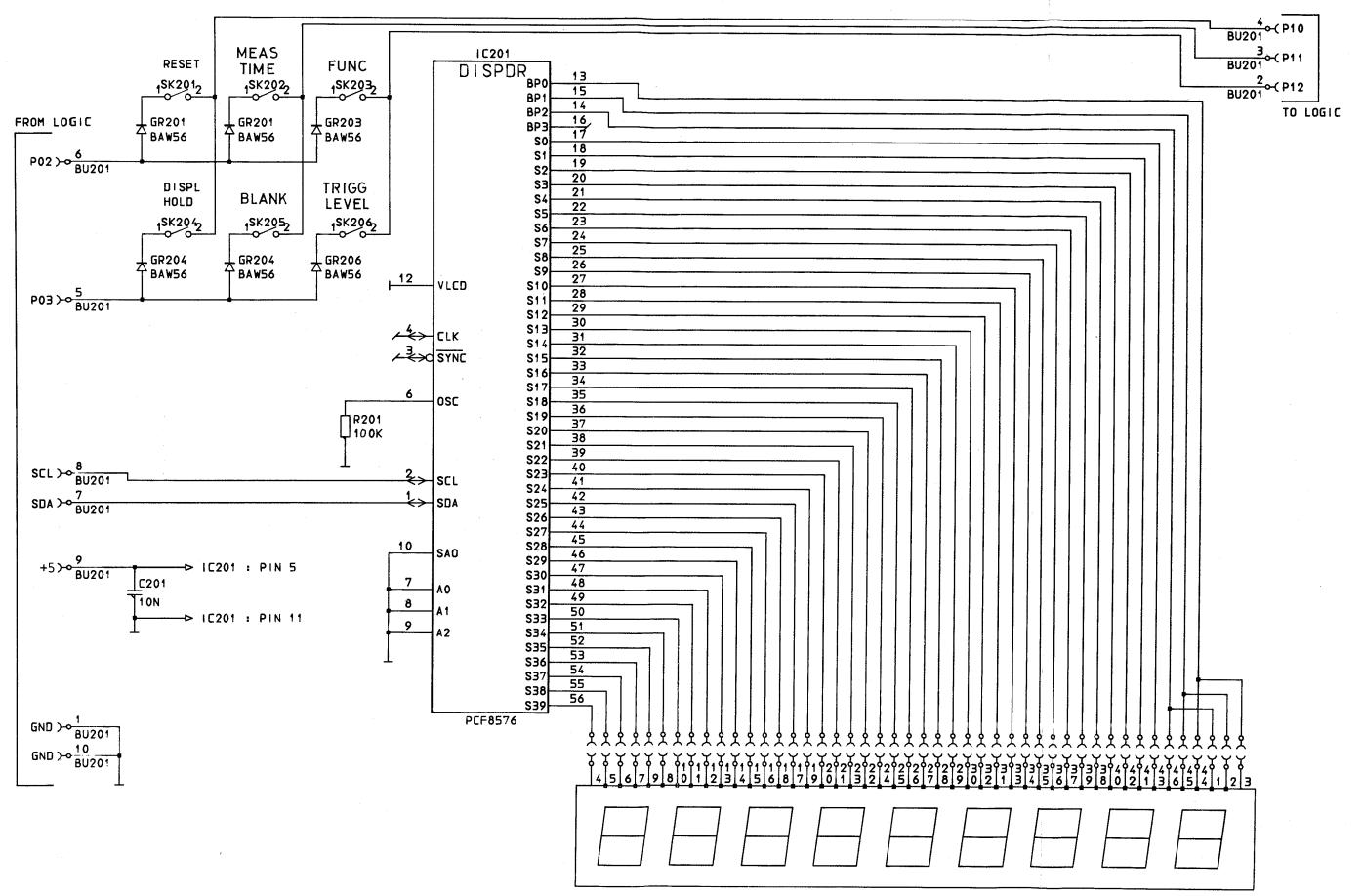
#### PM 6669 Basic board, power supply



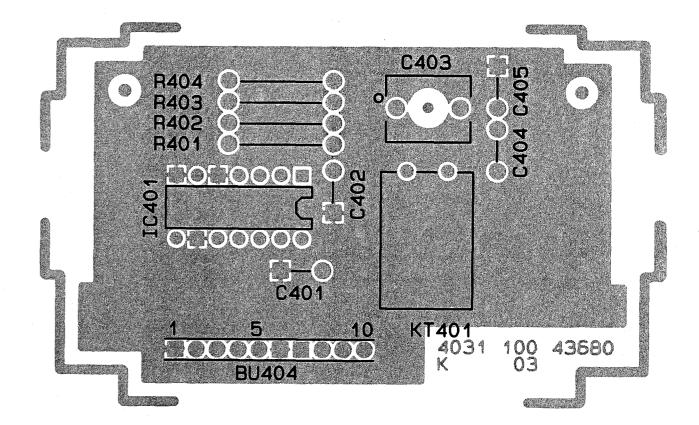
## PM 6669 Front panel



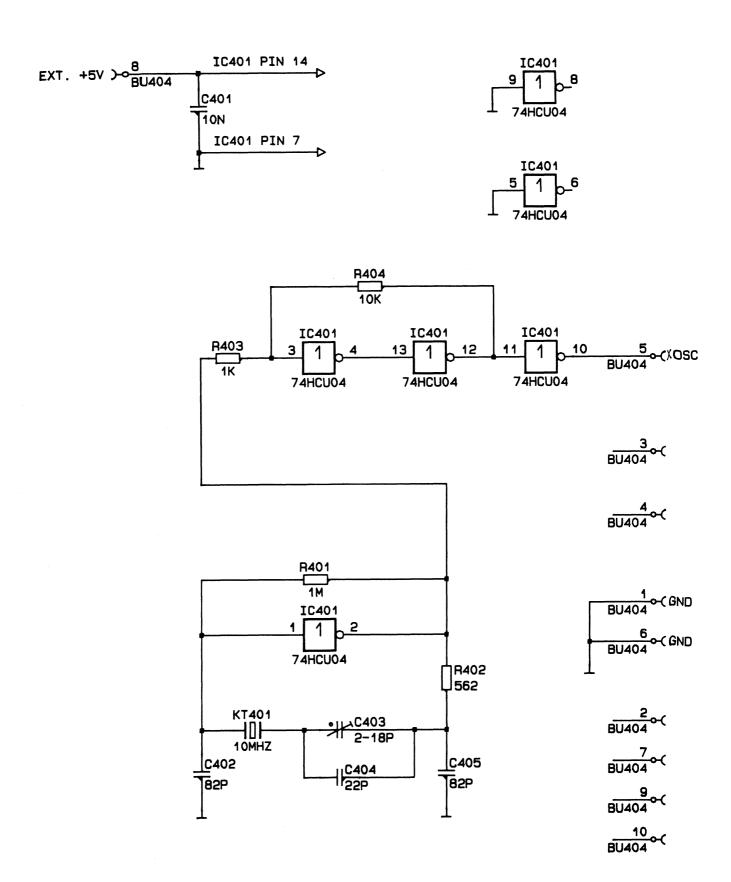
#### PM 6669 Front panel

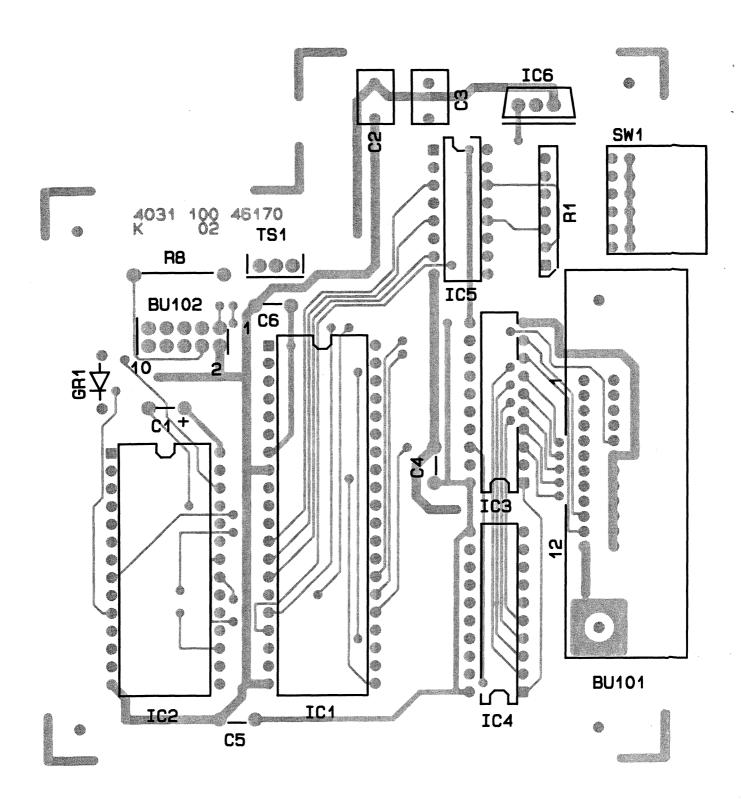


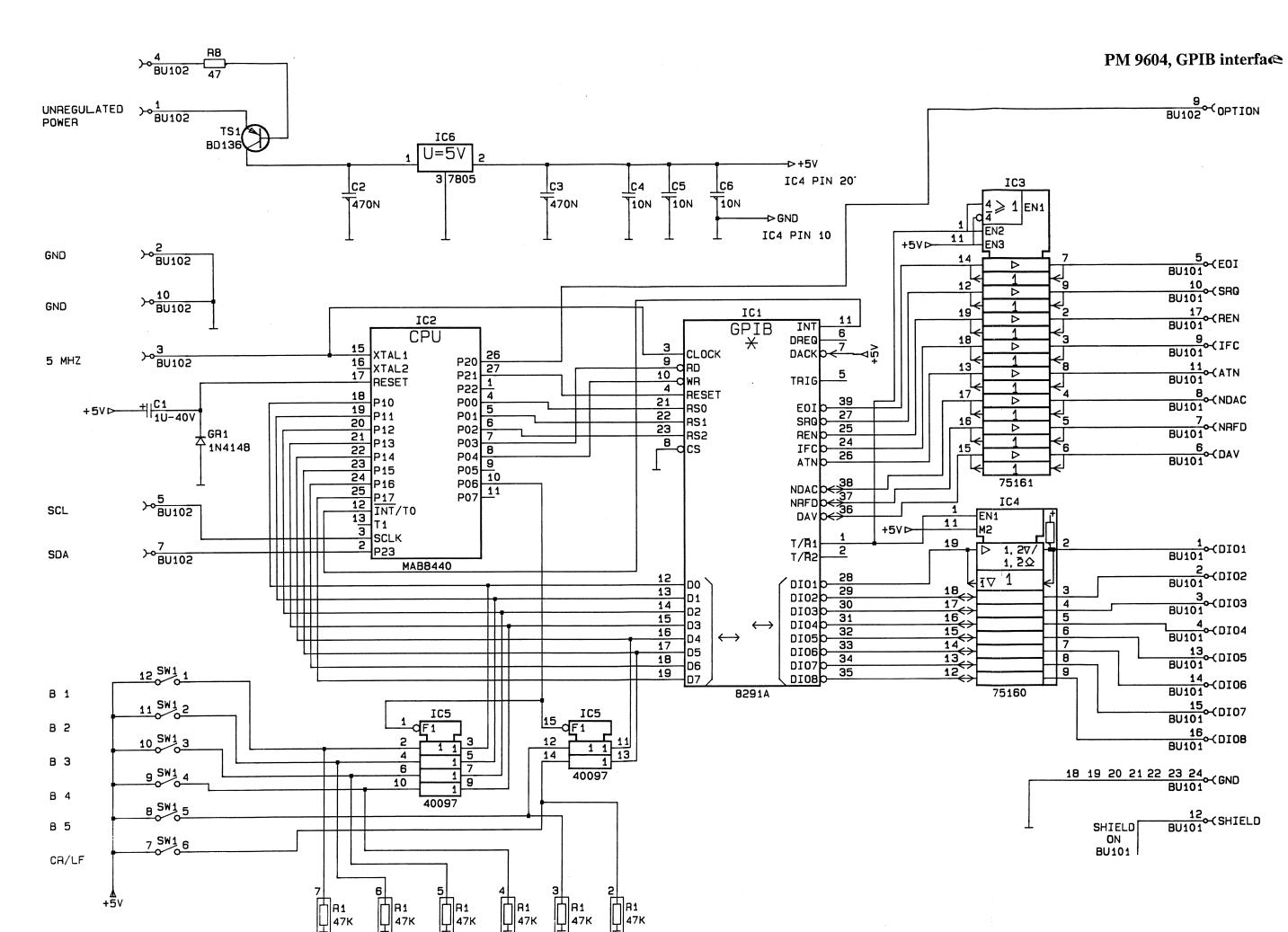
/.1. oscillator (uncompensated-crystal)



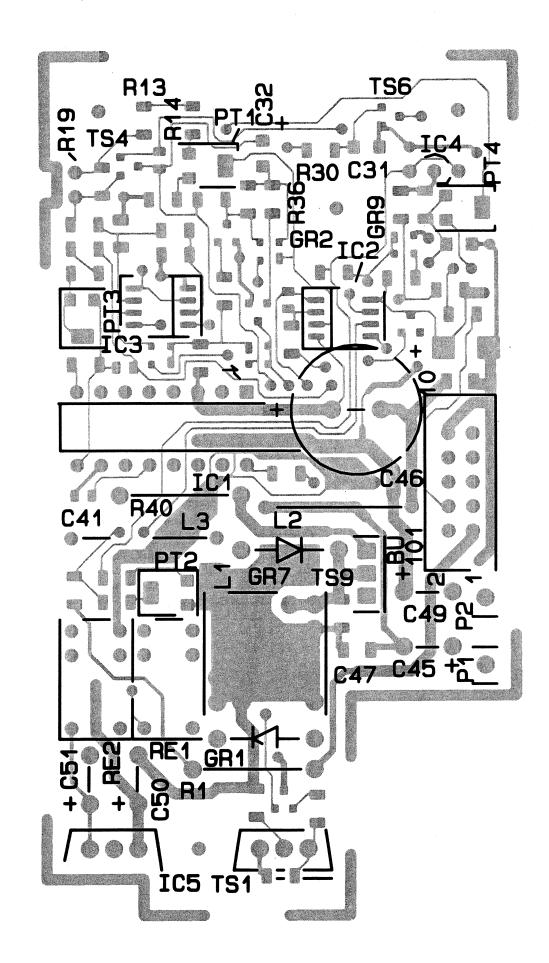
#### /.1. oscillator (uncompensated-crysta)



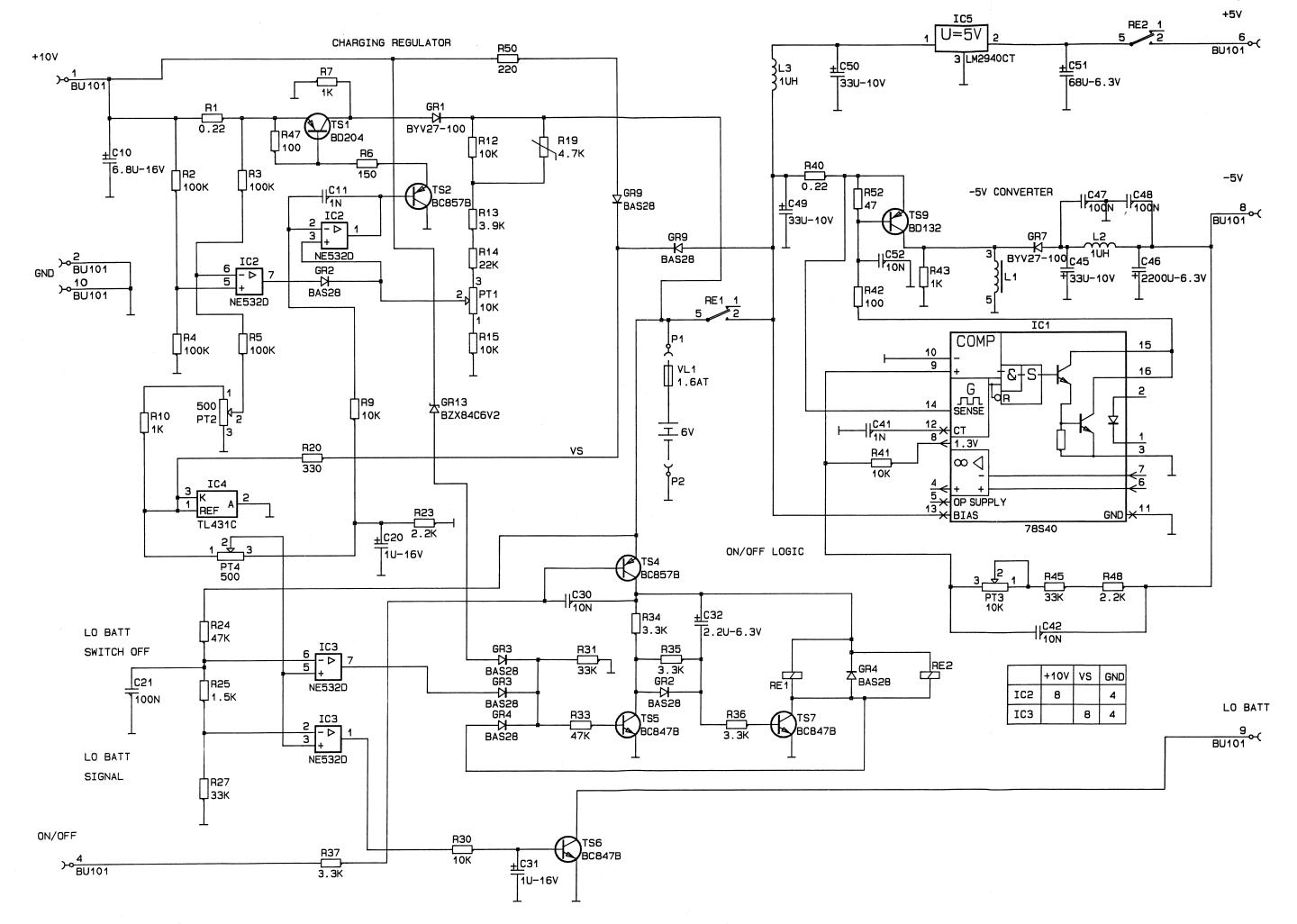




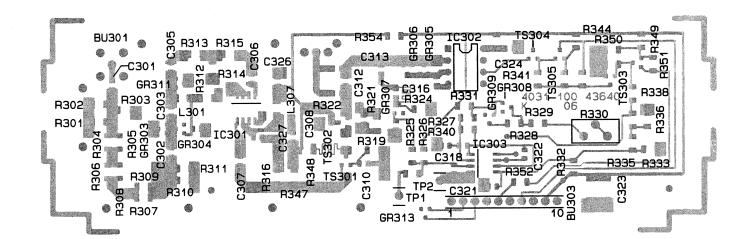
## PM 9605, Battery unit



#### PM 9605, Battery unit

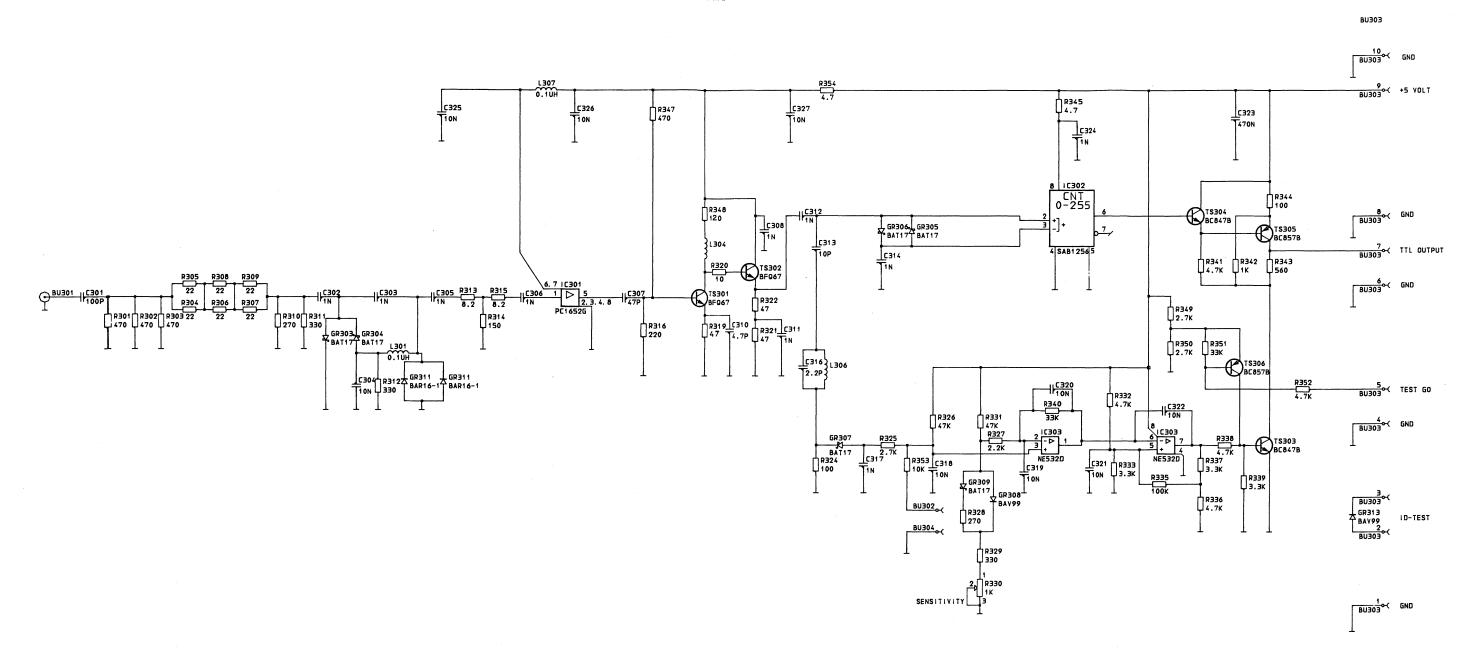


PM 9608, 1.1 GHz HF input



### PM 9608, 1.1 GHz HF input

L304 AND L306 ARE PARTS OF THE PCB



3. Spare parts list

PM6665,-69 DATE: 87-05-12 SERVICECODE DESCRIPTION ARTICLE SPECIFICATION MECHANICAL PARTS 4822 526 10097 FXF TUBE 0.00 3B 4.3X2 L=7.2 5322 121 42352 MAINS FILTER 1.00 FN326-1/07 5322 130 90413 DISPLAY 0.00 PM6665-69 5322 267 10004 CONNECTOR 0.00 KC-79-35 5322 267 70208 ZEBRA STRIP 50.25P100.0L6.0H2.8W 0.00 5322 276 60257 PUSH SWITCH 6.00 CELL PM6665 PM6665-69 5322 321 22314 CABLE ASSY 0.00 5322 401 11102 TILTING SUPPOR 0.00 PM6665-69 5322 414 20034 PUSH BUTTON SCHAD 0.00 6X10 L-BR/GN 30304 5322 414 30044 KNOB BROWN SP=4 NO LINE 10.00 MM 5322 414 70016 COVER 8.00 MM BROWN WH.LINE 5322 450 60633 WINDOW 0.00 FOR LCD 29X101.5 5322 462 41115 REAR FOOT

0.00

0.00

0.00

0.00

0.00

5322 462 41116 BOTTOM FOOT

5322 498 10263 EXTENSION BAR

RUBBER FOOT

5322 462 41117

5322 500 10385 SCREW

PM6665-69

PM6665-69

PM6665-69

PM6665-69 18X10X8

MRX 4X14 ST FZ

PM6665

SERVICECODE	DESCRIPTION	ART	ICLE SPE	CIFICATION	POS-NR
BASIC BOARD, U1					
5322 265 40379 5322 265 40634 5322 265 64028 5322 265 40197 5322 124 10652 5322 122 32453 5322 122 32453 5322 124 10652 5322 124 10652 5322 122 32453 5322 122 32453 5322 122 32453 4822 121 41677 5322 125 50051	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CAPACITOR	5.00 12.00 10.00 10.00 10.00 22.00 10.00 22.00 10.00 10.00 10.00	POL POL POL POL UF NF NF NF NF NF	22-05-1059 3094-05F 76382-312 22-03-2101 4030-10A 22-03-2101 4030-10A F095 DOUBLE ROW 6V 195D226X0006F2 20% 50V X7R 0805 20% 50V X7R 0805 6V 195D226X0006F2 20% 50V X7R 0805 20% 50V X7R 0805 10% 400V 3X10 3M 2.0-18PF 300V	BU101 BU102 BU103 BU104 BU105 C101 C102 C103 C106 C107 C108 C112 C113
5322 122 32448 5322 125 50049 5322 124 10652 5322 122 34082	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 10.00 22.00 100.00	PF PF UF NF	5% 50V NPO 0805 1,8-10PF 300V 6V 195D226X0006F2 20% 50V X7R 1808	C116 C117 C118 C119
5322 122 32452 5322 122 32452 5322 122 34082 5322 124 10653	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	47.00 47.00 100.00 3.30	PF PF NF UF	5% 50V NPO 0805 5% 50V NPO 0805 20% 50V X7R 1808 6V 195D335X0006B2	C120 C121 C122 C123
5322 122 34082 5322 124 41367 5322 124 41366 5322 124 10654 5322 124 10654	CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR	100.00 4800.00 2200.00 1.50	NF UF UF UF UF	20% 50V X7R 1808 20% 16V ECEA1CU682 20% 16V ECEA1CU222 15V 195D155X001582	C126 C127 C128 C129
5322 124 10653 5322 124 10653 5322 124 10653 5322 122 32453 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	1.50 3.30 3.30 10.00 10.00	UF UF UF NF NF	15V 195D155X0015B2 6V 195D335X0006B2 6V 195D335X0006B2 20% 50V X7R 0805 20% 50V X7R 0805	C130 C131 C132 C134 C135
5322 122 32453 5322 122 32269 5322 122 32532 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 48.00 100.00	NF PF PF NF	20% 50V X7R 0805 5% 50V NPO 0805 5% 50V NPO 0805 20% 50V X7R 0805	C136 C137 C138 C139
5322 122 32453 5322 122 32268 5322 122 32453 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 470.00 10.00 10.00	NF PF NF NF	20% 50V X7R 0805 5% 50V NPO 0805 20% 50V X7R 0805 20% 50V X7R 0805	C140 C141 C142 C143
5322 122 32453 5322 122 32453 5322 122 34082 5322 122 34123	CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 10.00 100.00	NF NF NF NF	20% 50V X7R 0805 20% 50V X7R 0805 20% 50V X7R 1808 20% 50V X7R 0805	C144 C145 C146 C147
5322 122 32453 5322 122 32453 5322 122 32453 4822 121 41677	CAPACITOR CAPACITOR CAPACITOR	10.00 10.00 10.00	NF NF NF	20% 50V X7R 0805 20% 50V X7R 0805 20% 50V X7R 0805	C148 C149 C152
5322 122 32448 5322 125 50051 5322 122 32453 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 10.00 18.00 10.00	NF PF PF NF NF	10% 400V 3X10 3M 5% 50V NPO 0805 2.0-18PF 300V 20% 50V X7R 0805 20% 50V X7R 0805	C153 C154 C155 C157 C158
5322 125 50049 5322 122 32269 5322 122 32532 5322 122 32453 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR CAPACITOR	10.00 68.00 100.00 10.00	PF PF PF NF NF	1,8-10PF 300V 5% 50V NPO 0805 5% 50V NPO 0805 20% 50V X7R 0805 20% 50V X7R 0805	C159 C160 C161 C162 C163
5322 122 32268 5322 122 32453 5322 122 32453	CAPACITOR CAPACITOR CAPACITOR	470.00 10.00 10.00	PF NF NF	5% 50V NPO 0805 20% 50V X7R 0805 20% 50V X7R 0805	C164 C165 C166

PM6665 DATE: 87-05-12

S222   122   32453   CAPACITOR   10.00 NF   20X 50V X7R   0805   C167	SERVICECODE	DESCRIPTION	ARTI	CLE SPECI	FICATION	POS-NR
Saze   122   34-082   CAPACITOR   100.00   NF   20% 500 X7R   1808   C169   Saze   122   324-53   CAPACITOR   10.00   NF   20% 500 X7R   0805   C170   C170   C170   C172   C17						
532P 122 32453         CAPACITOR         10.00         NF         20X 50V X7R         0805         C170           532P 122 32453         CAPACITOR         10.00         NF         20X 50V X7R         0805         C171           532P 122 32453         CAPACITOR         10.00         NF         20X 50V X7R         0805         C173           532P 122 32448         CAPACITOR         10.00         NF         20X 50V X7R         0805         C174           532P 130 32739         DIODE         0.35         W         BZX84/C3VO         SDT23         GR101           482E 130 32739         DIODE         0.10         A         BA483 35V         SDD-58         GR103           532E 130 32739         DIODE         0.13         W         BZX84/C3VO         SDT23         GR103           532E 130 32739         DIODE         0.13         W         BZX84/C3VO         SDT23         GR105           532E 130 32739         DIODE         0.10         A         BA463 35V         SDD-56         GR105           532E 130 32739         DIODE         0.10         A         BA463 35V         SDD-56         GR105           532E 130 30691         DIODE         0.15         A         BA463 35V						
Saze   128   284453   CAPACITOR   10.00 NF		CAPACITOR	10.00	NF	20% 50V X7R 0805	
Saze   122   32448		CAPACITOR	10.00	NF		
Sabe   122   32448   CAPACITOR				NF		
Saze   122   324-48						
Saze   130   32739   DIODE						
48B2 130 32656         DIODE         0.10         A         BA48B 35V         SDD-58         GR103           48B2 130 32737         DIODE         0.15         W         BZXB4/C3V0         SDT23         GR104           5322 130 32737         DIODE         0.35         W         BZXB4/C3V0         SDT23         GR104           4822 130 32656         DIODE         0.10         A         BA48B 35V         SDD-58         GR106           5322 130 32656         DIODE         0.10         A         BA48B 35V         SDD-58         GR106           5322 130 32636         DIODE         0.25         A         BA496 35V         SDD-58         GR107           5322 130 36931         DIODE         0.25         A         BA456 70V         SDT23         GR108           5322 130 3691         DIODE         0.25         A         BA456 70V         SDT23         GR115           5322 130 30691         DIODE         0.25         A         BA456 70V         SDT23         GR115           5322 209 83067         IC         0.00         A         KLC2 200V         SDT23         GR115           5322 209 71552         IC         0.00         A         MEA97ADL         IC103						
Sec   190   32.6.5   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO3   S322   130   32737   DIODE   0.35   W   BZXB4/C3VO   SDT23   GRIO5   SBZ2   130   326.55   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO6   SBZ2   130   326.55   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO6   SBZ2   130   324.37   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO6   SBZ2   130   324.37   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO6   SBZ2   130   324.37   DIODE   0.10   A   BAM-B3 35V   SDD-58   GRIO7   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRIO8   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI01   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI11   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI11   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI11   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI11   SBZ2   130   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI15   SBZ2   209   304.91   DIODE   0.25   A   BAM-56   70V   SDT23   GRI15   SBZ2   209   71552   IC   0.00   TLC271CP   DIL-8   IC102   SBZ2   209   71552   IC   0.00   TLC271CP   DIL-8   IC103   SBZ2   209   71552   IC   0.00   AM-687ADL   IC104   SBZ2   209   51245   IC-SOCKET   24.00   POL   DIL   IC104   SBZ2   209   51245   IC-MICROP   0.00   PM-6665-69   DZ764   IC105   SBZ2   209   71553   IC   0.00   PM-6665-69   DZ764   IC105   SBZ2   209   71553   IC   0.00   PM-6665-69   DZ764   IC105   SBZ2   209   70513   IC   0.00   PM-6665-69   DZ764   IC105   SBZ2   209   70513   IC   0.00   PM-6665-69   DZ764   IC105   SBZ2   209   SBZ3   IC   0.00   PM-6665-69   DZ764   IC106   SBZ2   209   70513   IC   0.00   PM-6665-69   DZ764   IC106   SBZ2   209   70513   IC   0.00   PM-6665-69   DZ764   IC106   SBZ2   209   70513   IC   0.00   PM-6665-69   DZ764   IC106   SBZ2   209   SBZ3   IC1   9004   RESISTOR   10.00   MCHM   10×.0.25W   RC-01   1206   R101   SBZ2   211   90169   RESISTOR   56.00   KOHM   5% 0.25W   RC-01   1206   R107   SB				_		
Saze   130   32739   DIODE						
Saze   130   32739   DIDDE						
Heapt   190   36.56   DIODE						
Saze   130   326.56   DIODE   O.10   A   BA488   35V   SOD-58   GR107   Saze   130   32739   DIODE   O.35   W   BZXB4/C3VO   SOT23   GR110   GR108   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR111   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR111   GR112   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR111   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR111   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR115   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR115   Saze   130   30691   DIODE   O.25   A   BAW55   70V   SOT23   GR115   Saze   209   B3069   IC   O.00   TLC271CP   DIL-8   IC102   Saze   209   71552   IC   O.00   TLC271CP   DIL-8   IC102   Saze   209   71552   IC   O.00   TLC271CP   DIL-8   IC102   Saze   209   51235   GAM15   IC-SOCKET   24.00   POL   DIL   IC104   Saze   209   Saze   40421   IC-SOCKET   24.00   POL   DIL   IC105   Saze   209   Saze   40421   IC-SOCKET   28.00   POL   DIL   IC105   Saze   209   Saze   305   Saze   305						
Saze   130   32739   DIODE   D.35   W   BZX84/C3V0   S0T23   GR109   S322   130   304317   DIODE   D.25   A   BAW56   70V   S0T23   GR110   S322   130   30641   DIODE   D.25   A   BAW56   70V   S0T23   GR111   S322   130   30641   DIODE   D.25   A   BAW56   70V   S0T23   GR111   S322   130   30641   DIODE   D.25   A   BAW56   70V   S0T23   GR114   S322   130   30641   DIODE   D.25   A   BAW56   70V   S0T23   GR114   S322   130   30641   DIODE   D.25   A   BAW56   70V   S0T23   GR115   S322   209   83047   IC   DIODE   D.25   A   BAW56   70V   S0T23   GR115   S322   209   83047   IC   DIODE   D.25   A   BAW56   70V   S0T23   GR115   S322   209   83047   IC   DIODE   D.25   A   BAW56   70V   S0T23   GR115   S322   209   71552   IC   DIODE   D.25   A   BAW56   70V   S0T23   GR117   S322   209   71552   IC   DIODE   D.25   A   BAW56   70V   S0T23   GR117   S322   209   71552   IC   DIODE   DIODE   D.25   A   BAW56   70V   S0T23   GR117   S322   209   71552   IC   DIODE   DIODE						
Saze   130   34-337   DIODE						
Saze   130   30691   DIODE   0.25   A   BAM56   70V   SOT23   GR111					BAV99 SOT23	GR109
AB22   130   3203   BRIDBE RECTIF   4.00   A   BAW56   70V   SDT23   GR115		DIODE	0.25	Α	BAW56 70V SDT23	GR111
Size   130   30691   DIODE   0.25   A   BAMS6   70V   SOT23   GR115   Size   209   83069   IC   0.00   TLC271CP   DIL-8   IC101   Size   209   83069   IC   0.00   TLC271CP   DIL-8   IC102   Size   209   71552   IC   0.00   AM687ADL   IC103   Size   209   Size   IC-SOCKET   24.00   POL   DIL   IC104   Size   209   Size   IC-SOCKET   24.00   POL   DIL   IC105   Size   209   Size   IC-SOCKET   28.00   POL   DIL   IC105   Size   209   Size   IC-SOCKET   28.00   POL   DIL   IC105   Size   209   84454   IC   Size   209   Size   IC-SOCKET   28.00   POL   DIL   IC105   Size   209   84603   IC   Size   209   Size   209   Size   IC-SOCKET   28.00   POL   DIL   IC105   Size   209   70313   IC   0.00   MC7905CT   IA   TO-220   IC106   Size   209   70313   IC   0.00   MC10138P   IC108   Size   209   70313   IC   0.00   MC10138P   IC108   Size   209   70313   IC   0.00   MC10128P   IC109   Size   209   70315   IC   0.00   MC10138P   IC109   Size   209   70315   IC   0.00   MC10128P   IC109   Size   209   70315   IC   0.00   MC10138P   IC109   Size   209   70315   IC   0.00   MC10138P   IC109   Size   209   RESISTOR   Size   IC109   RESISTOR   IC1000   MCHM   Size   Size   IC1000   RI208   RI119   RESISTOR	5322 130 30691	DIODE	0.25	Α	BAW56 70V SOT23	GR112
Saze 2   130   30.691   DIDDE   D.25   A   BAMS6 70V   SDT23   GR117   Saze 209   830.69   IC   D.000   TLC271CP   DIL-8   IC101   Saze 209   830.69   IC   D.000   TLC271CP   DIL-8   IC102   Saze 209   71552   IC   D.000   D.000   D.000501   IC104   Saze 255   40.421   IC-SDCKET   Z4.00   PDL   DIL   IC104   Saze 255   40.421   IC-SDCKET   Z4.00   PDL   DIL   IC105   Saze 209   S1236   IC-MICROP   D.000   PM6665-69   D2764   IC105   Saze 209   S1241   IC-MICROP   D.000   PM6665-69   D2764   IC105   Saze 209   S1241   IC-MICROP   D.000   PM6665-69   D2764   IC105   Saze 209   S4454   IC   S.000   V   MC7805CT 1A   TD-220   IC106   Saze 209   S4454   IC   S.000   V   MC7805CT 1A   TD-220   IC106   Saze 209   S4454   IC   S.000   V   MC7805CT 1A   TD-220   IC106   Saze 209   S4454   IC   S.000   V   MC7805CT 1A   TD-220   IC107   Saze 209   S4454   IC   S.000   V   MC7805CT 1A   TD-220   IC106   Saze 209   S450   IC   D.000   MC1013BP   IC108   IC108   Saze 209   S6203   IC   D.000   MC1013BP   IC108   IC109   IC108   IC109   IC108   IC108   IC108   IC108   IC108   IC109   IC108   IC108   IC108   IC108   IC108   IC108   IC108   IC109   IC108   IC108		BRIDGE RECTIF		Α		
Saze 209 83069   IC						
Sa22 209 83069   IC				Α		
S322 209 71552						
S322 209 71559						
S322   255   40421   IC-SOCKET   24.00   POL   DIL   IC104						
S322 209 51236				ing		
S322 255 40234   IC-MICROP   O.00   PM6665-69 D2764   IC105   IC105   IC322 259 84454   IC   S.00   V   MC7805CT 1A TO-220   IC106   IC322 209 84454   IC   S.00   V   MC7805CT 1A TO-220   IC107   IC322 209 86203   IC   O.00   MC10138P   IC108   IC108   IC222 209 70313   IC   O.00   MC10125P   IC109   IC109   IC109   IC222 209 71555   IC   O.00   PC74HC373T   SO-20   IC110   IC109   IC109   IC222 209 71555   IC   O.00   PC74HC373T   SO-20   IC110   IC109   IC109   IC222 209 71555   IC   O.00   PC74HC373T   SO-20   IC110   IC109   IC109   IC222 209 71555   IC   O.00   PC74HC373T   SO-20   IC110   IC109   IC				, OL		
S322   255   40234   IC-SOCKET   28.00   POL   DIL   IC105   IC106   IC106   IC106   IC106   IC106   IC106   IC106   IC106   IC107   IC108						
5322         209         84454         IC         5.00         V         MC7805CT 1A         T0-220         IC106           5322         130         44843         IC         -5.00         V         MC7905CT 1A         T0-220         IC107           5322         209         70313         IC         0.00         MC1012SP         IC109           5322         209         70313         IC         0.00         MC1012SP         IC109           5322         209         70313         IC         0.00         MC1012SP         IC109           5322         265         60251         CDNNECTOR         4.00         POL         F095         DOUBLE ROW         JP101           5322         111         90049         RESISTOR         10.00         MOHM         10% 0.25W RC-01         1206         R101           4822         111         90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R103           4822         111         90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822         111         90169         RESISTOR         560.00         KOHM <td></td> <td></td> <td></td> <td>POL</td> <td></td> <td></td>				POL		
5322 130 44843         IC         -5.00         V         MC7905CT 1A T0-220 IC107           5322 209 86203         IC         0.00         MC10138P         IC108           5322 209 70313         IC         0.00         MC10125P         IC109           5322 209 71555         IC         0.00         PC74HC373T         SD-20 IC110           5322 265 60251         CONNECTOR         4.00         POL         F095 DOUBLE ROW         JP101           5322 111 90094         RESISTOR         10.00         MCHM         10% 0.25W RC-01         1206 R101           4822 111 90169         RESISTOR         560.00         KDHM         5% 0.25W RC-01         1206 R104           4822 111 90169         RESISTOR         560.00         KDHM         5% 0.25W RC-01         1206 R104           4822 111 90169         RESISTOR         560.00         KDHM         5% 0.25W RC-01         1206 R105           4822 111 90169         RESISTOR         560.00         KDHM         5% 0.25W RC-01         1206 R106           4822 111 90169         RESISTOR         560.00         KDHM         5% 0.25W RC-01         1206 R107           4822 111 90199         RESISTOR         470.00         DHM         5% 0.25W RC-01         1206 R110      <						
5322 209 70313         IC         0.00         MC10125P         IC109           5322 209 71555         IC         0.00         PC74HC373T         \$0-20         IC110           5322 265 60251         CONNECTOR         4.00         POL         F095 DOUBLE ROW         JP101           5322 111 90094         RESISTOR         10.00         MOHM         10% 0.25W RC-01         1206         R101           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R105           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R107           5322 111 90199         RESISTOR         150.00         OHM         5% 0.25W RC-01         1206		IC	-5.00	V	MC7905CT 1A TD-220	IC107
5322 209 71555         IC         0.00         PC74HC373T         S0-20         IC110           5322 265 60251         CONNECTOR         4.00         PQL         F095 DUBLE ROW         JP101           5322 111 90094         RESISTOR         10.00         MDHM         10% 0.25W RC-01         1206         R101           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R103           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R105           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R105           4822 111 90573         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R107           4822 111 90169         RESISTOR         470.00         OHM         5% 0.25W RC-01         1206         R109           5322 111 90339         RESISTOR         120.00         OHM         5% 0.25W RC-01         1206         R110           4822 111 90169         RESISTOR         560.00         KOHM <td>5322 209 86203</td> <td>IC</td> <td>0.00</td> <td></td> <td></td> <td></td>	5322 209 86203	IC	0.00			
5322         265         60251         CONNECTOR         4.00         POL         F095         DDUBLE ROW         JP101           5322         111         90094         RESISTOR         10.00         MOHM         10% 0.25W RC-01         1206         R101           4822         111         90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822         111         90169         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206         R104           4822         111         90169         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206         R105           4822         111         90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822         111         90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R107           4822         111         90109         RESISTOR         470.00         OHM         5% 0.25W RC-01         1206         R109           5322         111         90339         RESISTOR         120.00         OHM         5% 0.25W RC-01						
5322 111 90094         RESISTOR         10.00         MOHM         10% 0.25W RC-01         1206         R101           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R103           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822 111 90169         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206         R105           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R107           4822 111 90399         RESISTOR         150.00         OHM         5% 0.25W RC-01         1206         R110           4822 111 90169         RESISTOR         150.00         OHM         5% 0.25W RC-01         1206         R111           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R112           4822 111 90169         RES						
4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R103         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R104         4822 111 90169 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R105         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R106         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R107         4822 111 90109 RESISTOR       56.00 KOHM       5% 0.25W RC-01 1206 R107         5322 111 90109 RESISTOR       470.00 OHM       5% 0.25W RC-01 1206 R100         5322 111 90339 RESISTOR       150.00 OHM       5% 0.25W RC-01 1206 R111         4822 111 90339 RESISTOR       120.00 OHM       5% 0.25W RC-01 1206 R111         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R111         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R111         4822 111 90109 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R113         5322 111 90094 RESISTOR       10.00 MOHM       5% 0.25W RC-01 1206 R115         4822 111 90094 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R115         5322 111 90092 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R121         4822 111 9024 RESISTOR </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
4822 111 70169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R104           4822 111 70214         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206         R105           4822 111 70169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 70169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R106           4822 111 70169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R107           4822 111 70079         RESISTOR         470.00         OHM         5% 0.25W RC-01         1206         R109           5322 111 70079         RESISTOR         150.00         OHM         5% 0.25W RC-01         1206         R110           4822 111 70379         RESISTOR         120.00         OHM         5% 0.25W RC-01         1206         R111           4822 111 70169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206         R112           4822 111 70169         RESISTOR         10.00         MOHM         10% 0.25W RC-01         1206         R114           5322 111 70094         RESI						
4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R105         4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R106         4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R107         4822 111 90573 RESISTOR       56.00 KDHM       5% 0.25W RC-01 1206 R108         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R109         5322 111 90098 RESISTOR       150.00 DHM       5% 0.25W RC-01 1206 R110         4822 111 90339 RESISTOR       120.00 DHM       5% 0.25W RC-01 1206 R111         4822 111 90572 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R111         4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R112         4822 111 90109 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R113         5322 111 90094 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R115         4822 111 90094 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R12         4822 111 90094 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R12         4822 111 90096 RESISTOR <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
4822 111 90167 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R106         4822 111 90167 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R107         4822 111 90107 RESISTOR       56.00 KOHM       5% 0.25W RC-01 1206 R108         5322 111 90107 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R109         5322 111 90098 RESISTOR       150.00 DHM       5% 0.25W RC-01 1206 R110         4822 111 90339 RESISTOR       120.00 DHM       5% 0.25W RC-01 1206 R111         4822 111 90572 RESISTOR       5.60 KOHM       5% 0.25W RC-01 1206 R112         4822 111 90169 RESISTOR       560.00 KOHM       5% 0.25W RC-01 1206 R113         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MOHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R115         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R118         5322 111 90249 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R122         5322 111 90297 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R123         5322 111 90097 RESISTOR						
4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206 R107           4822 111 90573         RESISTOR         56.00         KOHM         5% 0.25W RC-01         1206 R108           5322 111 90109         RESISTOR         470.00         DHM         5% 0.25W RC-01         1206 R109           5322 111 90098         RESISTOR         150.00         DHM         5% 0.25W RC-01         1206 R110           4822 111 90339         RESISTOR         120.00         DHM         5% 0.25W RC-01         1206 R111           4822 111 90572         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206 R112           4822 111 90169         RESISTOR         560.00         KOHM         5% 0.25W RC-01         1206 R113           5322 111 90109         RESISTOR         470.00         DHM         5% 0.25W RC-01         1206 R114           5322 111 90294         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206 R115           4822 111 90092         RESISTOR         100.00         KOHM         5% 0.25W RC-01         1206 R116           5322 111 90092         RESISTOR         1.00         KOHM         5% 0.25W RC-01         1206 R119           4822 111 90249						
4822 111 90573 RESISTOR       56.00 KDHM       5% 0.25W RC-01 1206 R108         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R109         5322 111 90098 RESISTOR       150.00 DHM       5% 0.25W RC-01 1206 R110         4822 111 90339 RESISTOR       120.00 DHM       5% 0.25W RC-01 1206 R111         4822 111 90169 RESISTOR       5.60 KDHM       5% 0.25W RC-01 1206 R112         4822 111 90109 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R113         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MDHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R115         5322 101 20941 POTENTIOMETER       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90292 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90094 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R123						
5322       111       90109       RESISTOR       470.00       OHM       5% 0.25W RC-01       1206 R109         5322       111       90098       RESISTOR       150.00       OHM       5% 0.25W RC-01       1206 R110         4822       111       90339       RESISTOR       120.00       OHM       5% 0.25W RC-01       1206 R111         4822       111       90572       RESISTOR       5.60 KOHM       5% 0.25W RC-01       1206 R112         4822       111       90169       RESISTOR       560.00 KOHM       5% 0.25W RC-01       1206 R113         5322       111       90199       RESISTOR       470.00 OHM       5% 0.25W RC-01       1206 R114         5322       111       90094       RESISTOR       10.00 MOHM       10% 0.25W RC-01       1206 R115         4822       111       90214       RESISTOR       100.00 KOHM       5% 0.25W RC-01       1206 R118         5322       111       90092       RESISTOR       1.00 KOHM       5% 0.25W RC-01       1206 R119         4822       111       90249       RESISTOR       10.00 KOHM       5% 0.25W RC-01       1206 R121         4822       111       90214       RESISTOR       100.00 KOHM       5% 0.25W RC-01 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
4822 111 90339 RESISTOR       120.00 DHM       5% 0.25W RC-01 1206 R111         4822 111 90572 RESISTOR       5.60 KOHM       5% 0.25W RC-01 1206 R112         4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R113         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MDHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90092 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123				OHM	5% 0.25W RC-01 1206	R109
4822 111 90572 RESISTOR       5.60 KOHM       5% 0.25W RC-01 1206 R112         4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R113         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MDHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123	5322 111 90098	RESISTOR	150.00			
4822 111 90169 RESISTOR       560.00 KDHM       5% 0.25W RC-01 1206 R113         5322 111 90109 RESISTOR       470.00 DHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MDHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123		RESISTOR				
5322 111 90109 RESISTOR       470.00 OHM       5% 0.25W RC-01 1206 R114         5322 111 90094 RESISTOR       10.00 MOHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KOHM       PM6665       R117         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R119         4822 111 90214 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R121         4822 111 90092 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R122         5322 111 90096 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KOHM       5% 0.25W RC-01 1206 R125						
5322 111 90094 RESISTOR       10.00 MOHM       10% 0.25W RC-01 1206 R115         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KDHM       PM6665 R117         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KDHM       5% 0.25W RC-01 1206 R123						
4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R116         5322 101 20941 POTENTIOMETER       1.00 KDHM       PM6665       R117         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KDHM       5% 0.25W RC-01 1206 R123						
5322 101 20941 POTENTIOMETER       1.00 KOHM       PM6665       R117         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R118         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       10.00 KOHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KOHM       5% 0.25W RC-01 1206 R125						
5322 111 70072 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R118         5322 111 70072 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R117         4822 111 70247 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 70214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 70072 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 70076 RESISTOR       1.20 KDHM       5% 0.25W RC-01 1206 R123						
5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R119         4822 111 90249 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KDHM       5% 0.25W RC-01 1206 R123						
4822 111 90249 RESISTOR       10.00 KDHM       5% 0.25W RC-01 1206 R121         4822 111 90214 RESISTOR       100.00 KDHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KDHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KDHM       5% 0.25W RC-01 1206 R123						
4822 111 90214 RESISTOR       100.00 KOHM       5% 0.25W RC-01 1206 R122         5322 111 90092 RESISTOR       1.00 KOHM       5% 0.25W RC-01 1206 R123         5322 111 90096 RESISTOR       1.20 KOHM       5% 0.25W RC-01 1206 R125						
5322 111 90092 RESISTOR 1.00 KDHM 5% 0.25W RC-01 1206 R123 5322 111 90096 RESISTOR 1.20 KDHM 5% 0.25W RC-01 1206 R125						
5322 111 90096 RESISTOR 1.20 KOHM 5% 0.25W RC-01 1206 R125						
4822 111 90248 RESISTOR 2.20 KDHM 5% 0.25W RC-01 1206 R126	5322 111 90096					
	4822 111 90248	RESISTOR	2.20	KOHM	5% 0.25W RC-01 1206	K159

PM6665

SERVICECODE	DESCRIPTION	ARTI	CLE SPECI	FICATION	POS-NR
4822 111 90214	RESISTOR	100.00	KOHM	5% 0.25W RC-01 1206	R127
4822 111 90157	RESISTOR	3.30	KOHM	5% 0.25W RC-01 1206	R128
5322 100 11143	POTENTIOMETER	10.00	KOHM	25% 0.1W 3304X-1-103	R129
5322 111 90267	RESISTOR	33.00	KOHM	5% 0.25W RC-01 1206	R130
5322 100 11144	POTENTIOMETER	500.00	OHM	25% O.1W OPEN CERM	R131
5322 111 90106	RESISTOR	330.00	OHM	5% 0.25W RC-01 1206	R132
5322 111 90106	RESISTOR	330.00	OHM	5% 0.25W RC-01 1206	R133
5322 111 90109	RESISTOR	470.00	OHM	5% 0.25W RC-01 1206	R134
5322 111 90109	RESISTOR	470.00	OHM	5% 0.25W RC-01 1206	R135
5322 111 90092	RESISTOR	1.00	KOHM	5% 0.25W RC-01 1206 5% 0.25W RC-01 1206	R136 R137
5322 111 90092	RESISTOR	1.00 470.00	KOHM OHM	5% 0.25W RC-01 1206	R137
5322 111 90109 5322 111 90094	RESISTOR RESISTOR	10.00	MOHM	10% 0.25W RC-01 1206	R139
5322 111 90094 4822 111 90169	RESISTOR	560.00	KOHM	5% 0.25W RC-01 1206	R141
4822 111 90169	RESISTOR	560.00	KOHM	5% 0.25W RC-01 1206	R142
4822 111 90573	RESISTOR	56.00	KOHM	5% 0.25W RC-01 1206	R143
4822 111 90178	RESISTOR	220.00	OHM	5% 0.25W RC-01 1206	R144
4822 111 90178	RESISTOR	220.00	OHM	5% 0.25W RC-01 1206	R145
5322 111 90111	RESISTOR	4.70	KOHM	5% 0.25W RC-01 1206	R146
4822 111 90151	RESISTOR	1.50	KOHM	5% 0.25W RC-01 1206	R147
4822 111 90151	RESISTOR	1.50	KOHM	5% 0.25W RC-01 1206	R148
4822 111 90249	RESISTOR	10.00	KOHM	5% 0.25W RC-01 1206	R149
4822 111 90161	RESISTOR	470.00	KOHM	5% 0.25W RC-01 1206	R151
4822 111 90161	RESISTOR	470.00	KOHM	5% 0.25W RC-01 1206	R152
4822 111 90161	RESISTOR	470.00	KOHM	5% 0.25W RC-01 1206 5% 0.25W RC-01 1206	R153 R154
4822 111 90162	RESISTOR	680.00	OHM KOHM	5% 0.25W RC-01 1206	R155
4822 111 90169	RESISTOR RESISTOR	560.00 150.00	OHM	5% 0.25W RC-01 1206	R156
5322 111 90098 4822 111 90339	RESISTOR	120.00	OHM	5% 0.25W RC-01 1206	R157
5322 111 90109	RESISTOR	470.00	OHM	5% 0.25W RC-01 1206	R158
4822 111 70107	RESISTOR	100.00	KOHM	5% 0.25W RC-01 1206	R159
4822 111 90169	RESISTOR	560.00	KOHM	5% 0.25W RC-01 1206	R160
4822 111 90214	RESISTOR	100.00	KOHM	5% 0.25W RC-01 1206	R161
5322 111 90092	RESISTOR	1.00	KOHM	5% 0.25W RC-01 1206	R162
5322 111 90092	RESISTOR	1.00	KOHM	5% 0.25W RC-01 1206	R164
5322 101 20941	POTENTIOMETER	1.00	KOHM	PM6665	R165
4822 111 90249	RESISTOR		KOHM	5% 0.25W RC-01 1206	
5322 111 90109	RESISTOR	470.00	OHM	5% 0.25W RC-01 1206	R167
4822 111 90572	RESISTOR	5.60	KOHM	5% 0.25W RC-01 1206	R168 R169
5322 111 90094	RESISTOR	10.00	MOHM	10% 0.25W RC-01 1206 5% 0.25W RC-01 1206	R170
4822 111 90169	RESISTOR	560.00 100.00	KOHM KOHM	5% 0.25W RC-01 1206	R170
4822 111 90214 5322 111 90096	RESISTOR RESISTOR	1.20	KOHM	5% 0.25W RC-01 1206	R173
4822 111 90248	RESISTOR	2.20	KOHM	5% 0.25W RC-01 1206	R174
4822 111 70248	RESISTOR	100.00	KOHM	5% 0.25W RC-01 1206	R175
4822 111 90157	RESISTOR	3.30	KOHM	5% 0.25W RC-01 1206	R176
5322 100 11143	POTENTIOMETER	10.00	KOHM	25% 0.1W 3304X-1-103	R177
5322 111 90106	RESISTOR	330.00	OHM	5% 0.25W RC-01 1206	R178
5322 111 90106	RESISTOR	330.00	OHM	5% 0.25W RC-01 1206	R179
5322 111 90092	RESISTOR	1.00	KOHM	5% 0.25W RC-01 1206	R180
5322 111 90109	RESISTOR	470.00	OHM	5% 0.25W RC-01 1206	R181
4822 276 11076	KEY SWITCH	1.00	POL	DW-5112 TYPE VKS	SK103
5322 414 20031	PUSH BUTTON	0.00	VKS	6.5X6.5 L-BR 30304	SK103
5322 277 21124	VOLTAGE SWITCH	0.00	CELI	V202-12-MA-08-QA	SK104
5322 276 12192	PUSH SWITCH	1.00	CELL	PM6665~69	SK106 TR101
5322 146 21229		0.00 0.00		PM6665-69 BFR31 .01A 25V SOT23	
5322 130 44787	TRANSISTOR TRANSISTOR	0.00		BFS17 .05A 15V SOT23	
5322 130 40781 5322 130 44787	TRANSISTOR	0.00		BFR31 .01A 25V SOT23	
5322 130 44787	TRANSISTOR	0.00		BFS17 .05A 15V SOT23	TS104
JULE 100 40701					

PM6665

SERVICECODE	DESCRIPTION	ARTI	CLE SPECI	FICATION	POS-NR
FRONT PANEL, UZ					
5322 267 50336 5322 122 32453 5322 130 30691 5322 130 30691 5322 130 30691 5322 209 11129 4822 111 90214 4822 276 11076 5322 414 20031 4822 276 11076 5322 414 20031 4822 276 11076 5322 414 60146 4822 276 11076 5322 414 60146 4822 276 11076	CONNECTOR CAPACITOR DIODE DIODE DIODE IC RESISTOR KEY SWITCH PUSH BUTTON	10.00 10.00 0.25 0.25 0.25 0.00 100.00 1.00 0.00 1.00 0.00	POL NF A A A KOHM POL VKS POL VKS POL VKS	22-14-2104 4455-BC 20% 50V X7R 0805 BAW56 70V SDT23 BAW56 70V SDT23 BAW56 70V SDT23 PCFB576T V5056 5% 0.25W RC-01 1206 DW-5112 TYPE VKS 6.5X6.5 L-BR 30304 DW-5112 TYPE VKS 6.5X6.5 L-BR 30304 DW-5112 TYPE VKS 6.5X6.5 L-BR 30304 DW-5112 TYPE VKS 6.5X6.5 BEIGE 40317 DW-5112 TYPE VKS	BU201 C201 GR201 GR203 GR204 IC201 R201 SK201 SK201 SK202 SK202 SK203 SK203 SK204 SK204
4822 276 11076 5322 414 20031	KEY SWITCH PUSH BUTTON	1.00	POL VKS	DW-5112 TYPE VKS 6.5X6.5 L-BR 30304	SK205 SK205

SERVICECODE	DESCRIPTION	ARTICLE S	SPECIFICATION	POS-NR
BASIC BOARD, U1				
5322 265 40379 5322 265 40634 5322 265 64028 5322 265 64028 5322 265 40197 5322 121 40308 5322 122 32549 5322 122 32453	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CAPACITOR	5.00 POL 12.00 POL 10.00 POL 10.00 POL 10.00 POL 22.00 NF 3.30 PF 68.00 PF 10.00 NF	22-05-1059 3094-05F 76382-312 22-03-2101 4030-10A 22-03-2101 4030-10A F095 DOUBLE ROW 10% 400V +-0.25PF 500V NPO 2M 5% 50V NPO 0805 20% 50V X7R 0805 50% 50V X7R 0805	BU101 BU102 BU103 BU104 BU105 C101 C102 C103 C104 C105 C106 C107 C108 C107 C110 C111 C112 C113 C114 C115 C116 C119 C120
5322 209 86203 5322 209 70313 5322 209 71559 5322 255 40421 5322 209 51236 5322 209 51241 5322 255 40234 5322 209 84454	IC IC LSI IC-SOCKET IC-MICROP IC-MICROP	0.00 0.00 0.00 24.00 POL 0.00 0.00 28.00 POL 5.00 V	MC10138P MC10125P DQ0501 DIL PM6665-69 D2764 PM6665-69 D2764 DIL MC7805CT 1A T0-220	IC102 IC103 IC104 IC104 IC105 IC105 IC105 IC106

SERVICECODE	DESCRIPTION	ARTICLE	SPECIFICATION	POS-NR
5322 130 44843	IC	-5.00 V	MC7905CT 1A TO-220	IC107
5322 209 71555	IC	0.00	PC74HC373T S0-20	
5322 265 60251	CONNECTOR	4.00 POL	FO95 DOUBLE ROW	JP101
5322 263 50101	CONNECTOR	2.00 POL	F095 JUMPER GREY	JP101
5322 265 44074	CONNECTOR	2.00 POL	F095 SINGLE ROW	JP102
5322 158 10243		100.00 UH	10% Q=50 1641-104	L101
5322 111 90094	RESISTOR	10.00 MDHM	10% 0.25W RC-01 1206	R101
5322 111 90094	RESISTOR	10.00 MDHM	10% 0.25W RC-01 1206	R102
4822 111 90169		560.00 KDHM	5% 0.25W RC-01 1206	R103
4822 111 90169		560.00 KDHM	5% 0.25W RC-01 1206	R104
4822 111 90573	RESISTOR	56.00 KOHM	5% 0.25W RC-01 1206	R105
4822 111 90214	RESISTOR	100.00 KDHM	· 5% 0.25W RC-01 1206	R106
4822 111 90203	RESISTOR	68.00 DHM	5% 0.25W RC-01 1206	R107
4822 111 90203	RESISTOR	68.00 DHM	5% 0.25W RC-01 1206	R108
4822 111 90214 4822 111 90249	RESISTOR RESISTOR	100.00 KOHM	5% 0.25W RC-01 1206	R109
4822 111 90249	RESISTOR	10.00 KDHM 10.00 KDHM	5% 0.25W RC-01 1206	R110
5322 111 90106		330.00 DHM	5% 0.25W RC-01 1206 5% 0.25W RC-01 1206	R111 R112
5322 111 90106	RESISTOR		5% 0.25W RC-01 1206	R112
4822 111 90203	RESISTOR	68.00 DHM	5% 0.25W RC-01 1206	R114
4822 111 90203	RESISTOR	68.00 DHM	5% 0.25W RC-01 1206	R115
5322 101 20942		500.00 DHM	PM6669	R116
4822 111 90344	RESISTOR	15.00 OHM	5% 0.25W RC-01 1206	R117
5322 100 11143	POTENTIOMETER	10.00 KDHM	25% 0.1W 3304X-1-103	R118
4822 111 90197	RESISTOR	220.00 KOHM	5% 0.25W RC-01 1206	R119
5322 111 90092	RESISTOR	1.00 KDHM	5% 0.25W RC-01 1206	R120
4822 111 90357	RESISTOR	33.00 DHM	5% 0.25W RC-01 1206	R121
5322 111 90118	RESISTOR	8.20 KOHM	5% 0.25W RC-01 1206	R122
4822 111 90217	RESISTOR	47.00 DHM	5% 0.25W RC-01 1206	R123
5322 111 90109	RESISTOR	470.00 DHM	5% 0.25W RC-01 1206	R124
5322 111 90118	RESISTOR	8.20 KOHM	5% 0.25W RC-01 1206	R125
5322 111 90092	RESISTOR	1.00 KDHM	5% 0.25W RC-01 1206	R126
5322 111 90118	RESISTOR	8.20 KOHM	5% 0.25W RC-01 1206	R127
5322 111 90118	RESISTOR	8.20 KDHM	5% 0.25W RC-01 1206	R128
4822 111 90569	RESISTOR	2.70 KOHM	5% 0.25W RC-01 1206	R129
5322 111 90106	RESISTOR	330.00 DHM	5% 0.25W RC-01 1206	R130
5322 111 90106		330.00 DHM	5% 0.25W RC-01 1206	
5322 111 90092		1.00 KDHM	5% 0.25W RC-01 1206	R132
5322 111 90092 5322 111 90109			5% 0.25W RC-01 1206	R133
5322 111 90109	RESISTOR	470.00 DHM 470.00 DHM	5% 0.25W RC-01 1206 5% 0.25W RC-01 1206	R134
4822 111 90178	RESISTOR	220.00 DHM	5% 0.25W RC-01 1206	R135 R144
4822 111 90178	RESISTOR	220.00 DHM	5% 0.25W RC-01 1206	
4822 111 90162	RESISTOR	680.00 DHM	5% 0.25W RC-01 1206	R146
4822 111 90151	RESISTOR	1.50 KOHM	5% 0.25W RC-01 1206	R147
4822 111 90151	RESISTOR	1.50 KOHM	5% 0.25W RC-01 1206	R148
4822 111 90249	RESISTOR	10.00 KDHM	5% 0.25W RC-01 1206	R149
4822 111 90161	RESISTOR	470.00 KDHM	5% 0.25W RC-01 1206	R151
4822 111 90161	RESISTOR	470.00 KOHM	5% 0.25W RC-01 1206	R152
4822 111 90161	RESISTOR	470.00 KOHM	5% 0.25W RC-01 1206	R153
5322 111 90111	RESISTOR	4.70 KOHM	5% 0.25W RC-01 1206	R154
5322 276 11447	PUSH SWITCH	1.00 CELL	PM6673-77	SK102
5322 414 20031	PUSH BUTTON	0.00 VKS	6.5X6.5 L-BR 30304	SK103
4822 276 11076	KEY SWITCH	1.00 POL	DW-5112 TYPE VKS	SK103
5322 277 21124	VOLTAGE SWITCH	0.00	V202-12-MA-08-QA	SK104
5322 276 12192	PUSH SWITCH	1.00 CELL	PM6665-69	SK106
5322 146 21229	TRANSFORMER	0.00	PM6665-69	TR101
5322 130 44343		0.00	BFR30 .01A 25V SDT23	
5322 130 40781	TRANSISTOR	0.00	BFS17 .05A 15V S0T23	TS102

PM6669

SERVICECODE	DESCRIPTION	ARTICLE S	SPECIFICATION	POS-NR
FRONT PANEL, UZ				
5322 267 50336 5322 122 32453 5322 130 30691 5322 130 30691 5322 130 30691 5322 130 30691 5322 209 11129 4822 111 90214 5322 414 20031 4822 276 11076 5322 414 60146 4822 276 11076 5322 414 20031 4822 276 11076 5322 414 20031 4822 276 11076 5322 414 20031 4822 276 11076 5322 414 20031 4822 276 11076	CONNECTOR CAPACITOR DIODE DIODE DIODE IC RESISTOR PUSH BUTTON KEY SWITCH	10.00 POL 10.00 NF 0.25 A 0.25 A 0.25 A 0.25 A 0.00 100.00 KOHM 0.00 VKS 1.00 POL 0.00 VKS	22-14-2104 4455-BC 20% 50V X7R 0805 BAW56 70V SDT23 BAW56 70V SDT23 BAW56 70V SDT23 BAW56 70V SDT23 PCFB576T VSD56 5% 0.25W RC-01 1206 6.5X6.5 L-BR 30304 DW-5112 TYPE VKS 6.5X6.5 BEIGE 40317 DW-5112 TYPE VKS 6.5X6.5 L-BR 30304 DW-5112 TYPE VKS	BU201 C201 GR201 GR203 GR204 GR205 IC201 R201 SK201 SK202 SK202 SK202 SK203 SK204 SK204 SK204 SK205 SK205
5322 414 20031 4822 276 11076	PUSH BUTTON KEY SWITCH	0.00 VKS 1.00 PDL	6.5%6.5 L-BR 30304 DW-5112 TYPE VKS	SK509

	PM6665,-69	DATE: 87-05-12		
SERVICECODE	DESCRIPTION	ARTICLE S	PECIFICATION	POS-NA
X-TAL OSCILLATO	R, U4			
5322 267 54195	CONNECTOR	10.00 PDL	22-15-2106 4455-AC	BU404
4822 122 31414	CAPACITOR	10.00 NF	-20/+50% 100V 2M	E401
4822 122 31237	CAPACITOR	82.00 PF	2% 100V NPO 2M	
				C402
5322 125 54029	CAPACITOR	18.00 PF	2-18PF 300V	C403
4822 122 31063	CAPACITOR	22.00 PF	2% 100V NPO 2M	C404
4822 122 31237	CAPACITOR	82.00 PF	2% 100V NPO 2M	C405
5322 209 11455	IC	0.00	MM74HCU04N	IC401
5322 242 74163	CRYSTAL	10.00 MHZ	PM9677 HC-49U	KT401
5322 116 55535	RESISTOR	1.00 MOHM	1% 0.4W MR25	R401
5322 116 55274	RESISTOR	215.00 DHM	1% 0.4W MR25	R402
4822 116 53108	RESISTOR	1.00 KOHM	1% 0.5W MRS25	R403
4822 116 53022	RESISTOR	10.00 KDHM	1% 0.5W MRS25	R404

## /.3. oscillator (MTCXO)

Repair of this oscillator cannot be carried out by the local service organization so no spare parts are available. The complete oscillator unit must be sent to the factory for repair.

Contact your local Philips organization.

PM9604 GPIB DATE: 87-05-11

SERVICECODE	DESCRIPTION	ARTI	CLE SPEC	CIFICATION	POS-NR
5322 267 60148 5322 321 22315	CONNECTOR CABLE ASSY	24.00	POL	57LE-20240-7700D35G PM9604	BU101 BU102
5322 124 14075	CAPACITOR	1.00	UF	20% 40V (25V) SOL AL	C1
5322 121 42525	CAPACITOR	470.00	NF	10% 63V MMKO-5 PETP	C5
5322 121 42525	CAPACITOR	470.00	NF	10% 63V MMKO-5 PETP	C3
4822 122 31414	CAPACITOR	10.00	NF	-20/+50% 100V 2M	C4
4822 122 31414	CAPACITOR	10.00	NF	-20/+50% 100V 2M	C5
4822 122 31414	CAPACITOR	10.00	NF	-20/+50% 100V 2M	C6
4822 130 30621	DIODE	0.20	Α	1N4148/75 DO-35	GR1
5322 255 40233	IC-SOCKET	40.00	POL	DIL	IC1
5322 209 81264	IC			P8291A TALK/LISTEN	IC1
5322 209 51242	IC			PM9604 D2764	IC5
5322 255 40234	IC-SOCKET	28.00	POL	DIL	102
5322 209 71577	IC			MAB8400B DIL-28	ICS
5322 209 81842	IC			SN75161AN	IC3
5322 209 81807	IC			SN75160AN	IC4
4822 209 10317	IC			HEF40097BP	IC5
5322 209 84454	IC	5.00	V	MC7805CT 1A TD-220	IC6
5322 111 94031	RES. NETWORK	47.00	KOHM	10%x6 1/8W	R1
5322 116 53232	RESISTOR	464.00	OHM	1% 0.5W MRS25	R8
5322 277 21125	DIP SWITCH	6.00	POL	206-6 RAST	SW1
4822 130 40824	TRANSISTOR			BD136 1.5A 45V TO-126	TS1

SERVICECODE	DESCRIPTION	ARTICLE SPEC	CIFICATION	POS-NR
5322 321 22313	CABLE ASSY	0.00	PM9608 PRESCAL	
5322 267 60199	CONNECTOR	0.00	R 114426 SMB	BU301
5322 290 30191	SOLDERING PIN	2.80 MM	E242.5 SN	BU302
5322 267 54195	CONNECTOR	10.00 POL	22-15-2106 4455-AC	BU303
5322 290 30191	SOLDERING PIN	2.80 MM	E242.5 SN	BU304
5322 122 32532	CAPACITOR	100.00 PF	5% 50V NPO 0805	C301
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C305
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C303
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C304
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C305
5322 122 34123	CAPACITOR CAPACITOR	1.00 NF 47.00 PF	20% 50V X7R 0805 5% 50V NPO 0805	C306 C307
5322 122 32452 5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C308
5322 122 32451	CAPACITOR	4.70 PF	5% 50V NPO 0805	C310
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C311
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C312
5322 122 32448	CAPACITOR	10.00 PF	5% 50V NPO 0805	C313
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C314
5322 122 33063	CAPACITOR	2.20 PF	5% 50V NPO 0805	C316
5322 122 34123	CAPACITOR	1.00 NF	20% 50V X7R 0805	C317
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C318
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C319
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C350
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C321
5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C322
5322 122 32446	CAPACITOR	470.00 NF	20% 50V X7R 2220	C323
5322 122 34123	CAPACITOR	1.00 NF 10.00 NF	20% 50V X7R 0805 20% 50V X7R 0805	C324 C325
5322 122 32453	CAPACITOR CAPACITOR	10.00 NF	20% 50V X7R 0805	C359
5322 122 32453 5322 122 32453	CAPACITOR	10.00 NF	20% 50V X7R 0805	C327
5322 130 31544	DIODE	0.03 A		GR303
5322 130 31544	DIODE	A E0.0		GR304
5322 130 31544	DIODE	0.03 A	-	GR305
5322 130 31544	DIODE	0.03 A		GR306
5322 130 31544	DIODE	0.03 A	BAT17 S0T23	GR307
5322 130 34337	DIODE	0.10 A		GR308
5322 130 31544	DIODE	0.03 A		GR309
5322 130 80246	DIODE	0.00	BAR 16-1 SOT23	
5322 130 34337	DIODE	0.10 A		GR313
5322 209 71557	IC	1.20 GHZ		IC301
5322 209 71554	IC	1.00 GHZ	SAB1256P /256 DIL-8 NE532D DUAL SO-8	
5322 209 71553	IC	0.00 0.10 UH		IC303 L301
5322 157 52689 5322 157 52689	CHOKE CHOKE	0.10 UH	10% MLF3216DR10K	L301
5322 111 90109		470.00 OHM	5% 0.25W RC-01 1206	
5322 111 70107	RESISTOR	470.00 DHM		R302
5322 111 90109	RESISTOR	470.00 DHM		R303
4822 111 90186	RESISTOR	22.00 DHM		R304
4822 111 90186	RESISTOR	22.00 DHM		R305
4822 111 90186	RESISTOR	22.00 DHM	5% 0.25W RC-01 1206	R306
4822 111 90186	RESISTOR	22.00 DHM	5% 0.25W RC-01 1206	R307
4822 111 90186	RESISTOR	22.00 DHM		R308
4822 111 90186	RESISTOR	22.00 DHM		R309
4822 111 90154	RESISTOR	270.00 DHM		R310
5322 111 90106	RESISTOR	330.00 DHM		R311
5322 111 90106	RESISTOR	330.00 OHM	5% 0.25W RC-01 1206 10% 0.25W RC-01 1206	R312
4822 111 90397	RESISTOR	8.20 OHM 150.00 OHM		R313
5322 111 90098	RESISTOR RESISTOR	8.20 OHM	10% 0.25W RC-01 1206	
4822 111 90397 4822 111 90178	RESISTOR	220.00 OHM		R316
40CC 111 7V1/0	1,2010101	_mmvsvv Will		

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SERVICECODE	DESCRIPTION	ARTIC	LE SPECIFICATION	POS-NR
4822 111 90217	RESISTOR	47.00 DH	m 5% 0.25W RC-01 12	206 R319
5322 111 90095	RESISTOR	10.00 DH	M 5% 0.25W RC-01 12	206 R320
4822 111 90217	RESISTOR	47.00 DH	M 5% 0.25W RC-01 18	206 R321
4822 111 90217	RESISTOR	47.00 DH	M 5% 0.25W RC-01 18	206 R322
5322 111 90091	RESISTOR	100.00 DH		206 R324
4822 111 90569	RESISTOR	2.70 KD		206 R325
4822 111 90543	RESISTOR	47.00 KD		206 R326
4822 111 90248	RESISTOR	2.20 KD		206 R327
4822 111 90154	RESISTOR	270.00 DH		206 R32B
5322 111 90106	RESISTOR	330.00 DH		206 R329
5322 101 14299	POTENTIOMETER	1.00 KD		R330
4822 111 90543	RESISTOR	47.00 KD		206 R331
5322 111 90111	RESISTOR	4.70 KD		206 R332
4822 111 90157	RESISTOR	3.30 KO		206 R333
4822 111 90214	RESISTOR	100.00 KD		206 R335
5322 111 90111	RESISTOR	4.70 KD		206 R336
4822 111 90157	RESISTOR	3.30 KO		206 R337
5322 111 90111	RESISTOR	4.70 KO		206 R33B
4822 111 90157	RESISTOR	3.30 KD		206 R339
5322 111 90267	RESISTOR .	33.00 KD		206 R340
5322 111 90111	RESISTOR	4.70 KD		206 R341
5322 111 90092	RESISTOR	1.00 KD		206 R342
5322 111 90113	RESISTOR	560.00 DH		206 R343
5322 111 90091	RESISTOR	100.00 DH		206 R344
5322 111 90376	RESISTOR	4.70 DH		
5322 111 90109	RESISTOR	470.00 DH		206 R347
4822 111 90339	RESISTOR	120.00 DH		206 R348
4822 111 90569	RESISTOR	2.70 KC		206 R349
4822 111 90569	RESISTOR	2.70 KC		206 R350
5322 111 90267	RESISTOR	33.00 KC		206 R351
5322 111 90111	RESISTOR	4.70 KC		206 R352
4822 111 90249	RESISTOR	10.00 KC		206 R353
5322 111 90376	RESISTOR	4.70 DH		
5322 130 42567	TRANSISTOR	0.00		T23 TS301
5322 130 42567	TRANSISTOR	0.00		T23 T5302
4822 130 60511	TRANSISTOR	0.00	BC847B .1A45V SOT	
4822 130 60511	TRANSISTOR	0.00	BC847B .1A45V SOT	
5322 130 60508	TRANSISTOR	0.00	BC857B .1A45V SOT	
5322 130 60508	TRANSISTOR	0.00	BC857B .1A45V SDT	23 TS306